

!INA MULTIPLE ALIGNMENT 1.0
PileUp of: us_*

Symbol comparison table: GenRunData:pileupna.cmp CompCheck: 6876

	Gapweight:	5	
align.msf	MSP:	1456	Type: N April 7, 2006 06:58 Check: 2577 ..
Name: us-10-661-049-2	Len:	1456	Check: 7998 Weight: 1.00
Name: us-10-661-049-4	Len:	1456	Check: 2322 Weight: 1.00
Name: us-10-661-049-8	Len:	1456	Check: 4128 Weight: 1.00
Name: us-10-661-049-6	Len:	1456	Check: 7529 Weight: 1.00
<i>//</i>			
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us-10-661-049-8	-----	551	
us-10-661-049-2	atgtttttt gttaaaaag gatccatcac agccttctca tctaggccc	600	
us-10-661-049-4	aattttttt gttaaaaag gatccatccc aactttctca tccggccac	600	
us-10-661-049-6	atctttttt gttaaaaag gatccatcac aacccttctca tctaggcac	600	
	atraccttgt gttggataaa gatccaaagc accggttta catggccac	650	
us-10-661-049-2	acttataat ctggagacct tgaatatgtg ggtatggaa gggaaatgt	650	
us-10-661-049-4	actgttaat ctggagacct tgaatatgtg agggtggatg gggaaatgt	650	
us-10-661-049-8	actgttaat ctggagacct tgaatatgtg agggtggatg gggaaatgt	650	
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	ctttaagtgttta gatccatgtaa aagacttta cacttttctca aatatccca	700	
us-10-661-049-2	aaaatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	700	
us-10-661-049-4	aaaatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	700	
us-10-661-049-8	aaaatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	700	
us-10-661-049-6	aaaatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	700	
	ctttaagtgttta gatccatgtaa aagacttta cacttttctca aatatccca	750	
us-10-661-049-2	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	750	
us-10-661-049-4	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	750	
us-10-661-049-8	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	750	
us-10-661-049-6	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	750	
	ctttaagtgttta gatccatgtaa aagacttta cacttttctca aatatccca	800	
us-10-661-049-2	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	800	
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us-10-661-049-8	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	800	
us-10-661-049-6	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	800	
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us-10-661-049-2	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	850	
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us-10-661-049-8	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	900	
us-10-661-049-6	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	900	
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us-10-661-049-4	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	950	
us-10-661-049-8	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	950	
us-10-661-049-6	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	950	
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us-10-661-049-2	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	1000	
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us-10-661-049-4	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	1050	
us-10-661-049-8	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	1050	
us-10-661-049-6	caatgttcc tgaaatcgaa aaaaacttca cacttttctca aatatccca	1050	
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us-10-661-049-2	cttacaaata cgcctttgtt aagatatacg accaaatacaa	500	
us-10-661-049-4	cttacaaata cgcctttgtt aagatatacg accaaatacaa	500	

us-10-661-049-8 gcaagacat getttttaga actatattaa gacacggat ttttttaat
 us-10-661-049-6 agtt tttttttttt gaaacttta ctgtgactt 1101 1150
 us-10-661-049-2
 us-10-661-049-4 tgatgaaga tcttaacatag taatgtatt ctttttttttta tc.....
 us-10-661-049-8 tgataaaaa tcttaacatag tagttgtttt ctttttttttta tcgggttaca
 us-10-661-049-6 cggcaggaa atgttgatca taattttttt cgggtatgaat tattttttttt
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 us-10-661-049-4 tacccatcg aatcgatcg tacatgtca aatggatgc
 us-10-661-049-6 gtttgttggat gtaaaaatga aaatgtttt cattatgatt taatataat 1151 1200
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 us-10-661-049-4 ttccatcc ttcaacatcg aatcgatcg tacatgtca aatggatgc
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 us-10-661-049-2
 us-10-661-049-4 ttccatcc ttcaacatcg aatcgatcg tacatgtca aatggatgc
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 us-10-661-049-2
 us-10-661-049-4 ttccatcc ttcaacatcg aatcgatcg tacatgtca aatggatgc
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 us-10-661-049-4 ttccatcc ttcaacatcg aatcgatcg tacatgtca aatggatgc
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 us-10-661-049-2
 us-10-661-049-4 aaaaaaa
 us-10-661-049-8 gggaa....
 us-10-661-049-6

US-10-661- 958

consensus -----a-----t-----g-----c-----a---aaa

Alignment score = -2479.00

Scoring matrix:

	1	2	3	4
1	-1569	-1232	-1621	
2		-740	186	
3			-300	
4				

OM protein - protein search, using sw model

Run on: April 7, 2006, 06:52:28 ; Search time 191 Seconds
(without alignments)
731.531 Million cell updates/sec

Title: US-10-661-049-1
perfect score: 1700
Sequence: 1 MLSESSSPFLKGVMLGSIFCA.....FGHIFNDALVFLPPNGSDND 318

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2443163 seqs, 439376781 residues

Total number of hits satisfying chosen parameters: 324

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%
Maximum Match 100%
Listing first 1000 summaries

Database : A_Geneseq_21:
1: geneseqp1980s:
2: geneseqp1990s:
3: geneseqp2000s:
4: geneseqp2001s:
5: geneseqp2002s:
6: geneseqp2003as:
7: geneseqp2003bs:
8: geneseqp2004s:
9: geneseqp2005s:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	No.	Score	Query	Match	Length	DB	ID	Description
1	1700	100.0	318 2 AAY13402	Aay13402 Amino aci				
2	1700	100.0	318 3 AAB18988	Aab18988 Amino aci				
3	1700	100.0	318 3 ADC78653	Adc78653 Human PRO				
4	1700	100.0	318 4 AAB80270	Aab80270 Human PRO				
5	1700	100.0	318 4 AAU12358	Aau12358 Human PRO				
6	1700	100.0	318 6 ABU71648	Abu71648 Human PRO				
7	1700	100.0	318 6 ABO17802	Ab017802 Novel hum				
8	1700	100.0	318 6 ABU71503	Abu71503 Human PRO				

9	1700	100.0	318 6 ABU81056	Abu81056 Human PRO
10	1700	100.0	318 6 ABU71949	Abu71949 Human sec
11	1700	100.0	318 6 ABO01832	Abo01832 Novel hum
12	1700	100.0	318 6 ABU66756	Abu66756 Human PRO
13	1700	100.0	318 6 ABU54405	Abu54405 Human sec
14	1700	100.0	318 6 ABO7420	Ab07420 Human sec
15	1700	100.0	318 6 ABU59837	Abu59837 Novel sec
16	1700	100.0	318 6 ABO25027	Ab025027 Human sec
17	1700	100.0	318 6 ABU64557	Abu64557 Human sec
18	1700	100.0	318 6 ABU67403	Abu67403 Human sec
19	1700	100.0	318 6 ABO14923	Abo14923 Human sec
20	1700	100.0	318 6 ABU67032	Abu67032 Human sec
21	1700	100.0	318 6 ABU69680	Abu69680 Novel hum
22	1700	100.0	318 6 ABO14862	Ab014862 Human sec
23	1700	100.0	318 6 ADA45893	Ada45893 Novel hum
24	1700	100.0	318 6 ADA76324	Ada76324 Human PRO
25	1700	100.0	318 6 ADB29545	Adb29545 Human sec
26	1700	100.0	318 6 ADA18974	Ada18974 Human PRO
27	1700	100.0	318 6 ADA61597	Ada61597 Homo sapi
28	1700	100.0	318 6 ADB19382	Adb19382 Novel hum
29	1700	100.0	318 6 ADB27923	Adb27923 Human PRO
30	1700	100.0	318 6 ADA86402	Ada86402 Novel hum
31	1700	100.0	318 6 ADB15966	Adb15966 Human PRO
32	1700	100.0	318 6 ADA47752	Ada47752 Human PRO
33	1700	100.0	318 6 ADA18402	Ada18402 Human sec
34	1700	100.0	318 6 ABO32814	Abo32814 Human sec
35	1700	100.0	318 6 ADA67547	Ada67547 Human PRO
36	1700	100.0	318 6 ADB30554	Adb30554 Human PRO
37	1700	100.0	318 6 ADA85850	Ada85850 Novel hum
38	1700	100.0	318 6 ADA97062	Ada97062 Human PRO
39	1700	100.0	318 6 ADA79366	Ada79366 Human PRO
40	1700	100.0	318 6 ADA87505	Ada87505 Novel hum
41	1700	100.0	318 6 ADB16707	Adb16707 Human PRO
42	1700	100.0	318 6 ABO34874	Abo34874 Human PRO
43	1700	100.0	318 6 ADA16377	Ada16377 Human sec
44	1700	100.0	318 6 ADA91799	Ada91799 Novel hum
45	1700	100.0	318 6 ADB14862	Adb14862 Human PRO
46	1700	100.0	318 6 ADA18823	Ada18823 Novel hum
47	1700	100.0	318 6 ADA94038	Ada94038 Human PRO
48	1700	100.0	318 6 ADA19934	Ada19934 Novel hum
49	1700	100.0	318 6 ADB13246	Adb13246 Human PRO
50	1700	100.0	318 6 ABO43335	Abo43335 Novel hum
51	1700	100.0	318 6 ADA74500	Ada74500 Human PRO
52	1700	100.0	318 6 ADA42522	Ada42522 Human sec
53	1700	100.0	318 6 ADB24733	Adb24733 Human PRO
54	1700	100.0	318 6 ADB82257	Adb82257 Human PRO
55	1700	100.0	318 6 ADA75220	Ada75220 Human PRO
56	1700	100.0	318 6 ADA85298	Ada85298 Novel hum
57	1700	100.0	318 6 ADA84746	Ada84746 Novel hum
58	1700	100.0	318 6 ABO17552	Ab017552 Human PRO
59	1700	100.0	318 6 ADB30002	Adb30002 Human PRO
60	1700	100.0	318 6 ADA80530	Ada80530 Human PRO
61	1700	100.0	318 6 ADA75772	Ada75772 Human PRO
62	1700	100.0	318 6 ADA46997	Ada46997 Human PRO
63	1700	100.0	318 6 ADB25293	Adb25293 Human PRO
64	1700	100.0	318 6 ADA93469	Ada93469 Human PRO
65	1700	100.0	318 6 ADB26819	Adb26819 Human PRO
66	1700	100.0	318 6 ADB31106	Adb31106 Human PRO
67	1700	100.0	318 6 ADA61034	Ada61034 Homo sapi
68	1700	100.0	318 6 ADB24181	Adb24181 Human PRO
69	1700	100.0	318 6 ADA96510	Ada96510 Human PRO
70	1700	100.0	318 6 ADA81082	Ada81082 Human PRO
71	1700	100.0	318 6 ADA95958	Ada95958 Human PRO
72	1700	100.0	318 6 ADB26267	Adb26267 Human PRO
73	1700	100.0	318 6 ADB21752	Adb21752 Novel hum
74	1700	100.0	318 7 ADA77531	Ada77531 Human PRO
75	1700	100.0	318 7 ADB18271	Adb18271 Human PRO
76	1700	100.0	318 7 ADA86954	Ada86954 Novel hum
77	1700	100.0	318 7 ADA16801	Ada16801 Human sec
78	1700	100.0	318 7 ADA13230	Ada13230 Human sec
79	1700	100.0	318 7 ADA42098	Ada42098 Human sec
80	1700	100.0	318 7 ADA88057	Ada88057 Novel hum
81	1700	100.0	318 7 ADA46445	Ada46445 Novel hum
82	1700	100.0	318 7 ADA17445	Ada17445 Human sec
83	1700	100.0	318 7 ADA42948	Ada42948 Human sec
84	1700	100.0	318 7 ADB28475	Adb28475 Human PRO
85	1700	100.0	318 7 ADB29027	Adb29027 Human PRO
86	1700	100.0	318 7 ADA76979	Ada76979 Human PRO
87	1700	100.0	318 7 ADA88609	Ada88609 Novel hum
88	1700	100.0	318 7 ADA97614	Ada97614 Human PRO
89	1700	100.0	318 7 ADB27371	Adb27371 Human PRO
90	1700	100.0	318 7 ADB23204	Adb23204 Novel hum
91	1700	100.0	318 7 ABO17613	Ab017613 Human PRO
92	1700	100.0	318 7 ADA66995	Ada66995 Human PRO
93	1700	100.0	318 7 ADB22856	Adb22856 Human PRO
94	1700	100.0	318 7 ADB23629	Adb23629 Human PRO
95	1700	100.0	318 7 ADA92351	Ada92351 Novel hum
96	1700	100.0	318 7 ADB15414	Adb15414 Human PRO
97	1700	100.0	318 7 ADB38666	Adb38666 Novel hum
98	1700	100.0	318 7 ADB38114	Adb38114 Novel hum
99	1700	100.0	318 7 ADB66586	Adb66586 Novel hum
100	1700	100.0	318 7 ADB89666	Adb89666 Human PRO
101	1700	100.0	318 7 ADB90398	Adb90398 Human PRO
102	1700	100.0	318 7 ADB77866	Adb77866 Human sec
103	1700	100.0	318 7 ADB39499	Adb39499 Novel hum
104	1700	100.0	318 7 ADB75002	Adb75002 Human sec
105	1700	100.0	318 7 ADB47122	Adb47122 Novel hum
106	1700	100.0	318 7 ADB86729	Adb86729 Human PRO
107	1700	100.0	318 7 ADB77334	Adb77334 Novel hum
108	1700	100.0	318 7 ADB34491	Adb34491 Human PRO
109	1700	100.0	318 7 ADB35595	Adb35595 Human PRO
110	1700	100.0	318 7 ADB33939	Adb33939 Human PRO
111	1700	100.0	318 7 ADB35043	Adb35043 Human PRO
112	1700	100.0	318 7 ADB36147	Adb36147 Human PRO
113	1700	100.0	318 7 ADB46542	Adb46542 Novel hum
114	1700	100.0	318 7 ADC28649	Adc28649 Human sec
115	1700	100.0	318 7 ADC39849	Adc39849 Human sec
116	1700	100.0	318 7 ADC40363	Adc40363 Human sec
117	1700	100.0	318 7 ADC19187	Adc19187 Human sec
118	1700	100.0	318 7 ADC34487	Adc34487 Human sec
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120	1700	100.0	318 7 ADC29073	Adc29073 Human sec
121	1700	100.0	318 7 ADC40958	Adc40958 Human sec
122	1700	100.0	318 7 ADC19615	Adc19615 Human sec
123	1700	100.0	318 7 ADC34063	Adc34063 Human sec
124	1700	100.0	318 7 ADC13133	Adc13133 Human sec
125	1700	100.0	318 7 ADC50415	Adc50415 Novel hum
126	1700	100.0	318 7 ADC71962	Adc71962 Novel hum
127	1700	100.0	318 7 ADC59941	Adc59941 Novel hum
128	1700	100.0	318 7 ADC52948	Adc52948 Novel hum
129	1700	100.0	318 7 ADC57302	Adc57302 Novel hum
130	1700	100.0	318 7 ADC60493	Adc60493 Novel hum
131	1700	100.0	318 7 ADC50968	Adc50968 Novel hum
132	1700	100.0	318 7 ADC65495	Adc65495 Human PRO
133	1700	100.0	318 7 ADC45493	Adc45493 Novel hum
134	1700	100.0	318 7 ADC53554	Adc53554 Novel hum
135	1700	100.0	318 7 ADC59077	Adc59077 Novel hum
136	1700	100.0	318 7 ADC55955	Adc55955 Novel hum
137	1700	100.0	318 7 ADC58525	Adc58525 Novel hum
138	1700	100.0	318 7 ADC12585	Adc12585 Human sec
139	1700	100.0	318 7 ADD03199	Add03199 Novel hum
140	1700	100.0	318 7 ADC90191	Adc90191 Novel hum
141	1700	100.0	318 7 ADC69610	Adc69610 Human PRO
142	1700	100.0	318 7 ADC48499	Adc48499 Human PRO
143	1700	100.0	318 7 ADD10028	Add10028 Human PRO
144	1700	100.0	318 7 ADD04603	Add04603 Novel hum
145	1700	100.0	318 7 ADC80559	Adc80559 Novel hum
146	1700	100.0	318 7 ADD11066	Add11066 Human PRO
147	1700	100.0	318 7 ADC47947	Adc47947 Human PRO
148	1700	100.0	318 7 ADDD05140	Addd05140 Human sec
149	1700	100.0	318 7 ADC80007	Adc80007 Novel hum
150	1700	100.0	318 7 ADDD04976	Addd04976 Human PRO
151	1700	100.0	318 7 ADDD04146	Addd04146 Human sec
152	1700	100.0	318 7 ADDD3722	Addd3722 Human sec
153	1700	100.0	318 7 ADDD41189	Addd41189 Novel hum
154	1700	100.0	318 7 ADDD52328	Addd52328 Human PRO
155	1700	100.0	318 7 ADDD53068	Addd53068 Novel hum
156	1700	100.0	318 7 ADDD53620	Addd53620 Novel hum
157	1700	100.0	318 7 ADDD51776	Addd51776 Human PRO
158	1700	100.0	318 7 ADDD2575	Addd2575 Human PRO
159	1700	100.0	318 7 ADDD02009	Addd02009 Human PRO
160	1700	100.0	318 7 ADDD54191	Addd54191 Novel hum
161	1700	100.0	318 7 ADDD92508	Addd92508 Human PRO
162	1700	100.0	318 7 ADDD91404	Addd91404 Human PRO
163	1700	100.0	318 7 ADDD04018	Addd04018 Human PRO
164	1700			

180	1700	100.0	318	7	ADD78917	Add78917 Human PRO	237	1700	100.0	318	8	ADG74018	Adf74018 Human sec
181	1700	100.0	318	7	ADD32867	Ade32867 Novel hum	238	1700	100.0	318	8	ADG02290	Adg02290 Human PRO
182	1700	100.0	318	7	ADD42559	Ade42559 Human PRO	239	1700	100.0	318	8	ADG22076	Adg22076 Novel hum
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184	1700	100.0	318	7	ADD89603	Add89603 Human PRO	241	1700	100.0	318	8	ADG98052	Adg98052 Human PRO
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186	1700	100.0	318	7	ADD04686	Ade04686 Human PRO	243	1700	100.0	318	8	ADG98623	Adg98623 Human PRO
187	1700	100.0	318	7	ADD92815	Ade92815 Human PRO	244	1700	100.0	318	8	ADG03454	Adg03454 Human PRO
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189	1700	100.0	318	7	ADD23165	Adg23165 Novel hum	246	1700	100.0	318	8	ADG16760	Adg16760 Human PRO
190	1700	100.0	318	7	ADP97500	Adf97500 Human PRO	247	1700	100.0	318	8	ADG05219	Adg05219 Human PRO
191	1700	100.0	318	7	ADD80564	Adg80564 Human PRO	248	1700	100.0	318	8	ADG19486	Adg19486 Human PRO
192	1700	100.0	318	7	ADG80012	Adg80012 Human PRO	249	1700	100.0	318	8	ADP73594	Adp73594 Human sec
193	1700	100.0	318	7	ADH59457	Adh59457 Human sec	250	1700	100.0	318	8	ADG13323	Adg13323 Human PRO
194	1700	100.0	318	7	ADH55304	Adh55304 Novel hum	251	1700	100.0	318	8	ADG08380	Adg08380 Novel hum
195	1700	100.0	318	7	ADH55856	Adh55856 Novel hum	252	1700	100.0	318	8	ADG15550	Adg15550 Human PRO
196	1700	100.0	318	7	AD1382326	Adi1382326 Human sec	253	1700	100.0	318	8	ADP96948	Adp96948 Human PRO
197	1700	100.0	318	7	AD164075	Adi164075 Novel hum	254	1700	100.0	318	8	ADG06133	Adg06133 Human PRO
198	1700	100.0	318	7	AD163523	Adi163523 Novel hum	255	1700	100.0	318	8	ADG23717	Adg23717 Novel hum
199	1700	100.0	318	7	ADH81937	Adh81937 Novel hum	256	1700	100.0	318	8	ADG04006	Adg04006 Human PRO
200	1700	100.0	318	7	ADH81385	Adh81385 Novel hum	257	1700	100.0	318	8	ADG24907	Adg24907 Novel hum
201	1700	100.0	318	7	ADJ94162	Adj94162 Human gal	258	1700	100.0	318	8	ADG07204	Adg07204 Novel hum
202	1700	100.0	318	7	ADJ26504	Adj26504 Human sec	259	1700	100.0	318	8	ADG07756	Adg07756 Novel hum
203	1700	100.0	318	7	ADM82554	Adm82554 Novel hum	260	1700	100.0	318	8	ADG55251	Adg55251 Novel hum
204	1700	100.0	318	7	ADN15953	Adn15953 Novel hum	261	1700	100.0	318	8	ADG60915	Adg60915 Novel hum
205	1700	100.0	318	7	ADN16582	Adn16582 Novel hum	262	1700	100.0	318	8	ADG62019	Adg62019 Novel hum
206	1700	100.0	318	7	ADN15401	Adn15401 Novel hum	263	1700	100.0	318	8	ADG92437	Adg92437 Human sec
207	1700	100.0	318	7	ADN14849	Adn14849 Novel hum	264	1700	100.0	318	8	ADG82220	Adg82220 Human PRO
208	1700	100.0	318	7	ADG165024	Adg165024 Novel hum	265	1700	100.0	318	8	ADG57459	Adg57459 Novel hum
209	1700	100.0	318	8	ADC81111	Adc81111 Novel hum	266	1700	100.0	318	8	ADG56907	Adg56907 Novel hum
210	1700	100.0	318	8	ADT79419	Ade79419 Human sec	267	1700	100.0	318	8	ADG55803	Adg55803 Novel hum
211	1700	100.0	318	8	ADD76559	Add76559 Human PRO	268	1700	100.0	318	8	ADG58563	Adg58563 Novel hum
212	1700	100.0	318	8	ADD87923	Add87923 Human PRO	269	1700	100.0	318	8	ADG70929	Adg70929 Novel hum
213	1700	100.0	318	8	ADD86327	Add86327 Human PRO	270	1700	100.0	318	8	ADG92864	Adg92864 Human sec
214	1700	100.0	318	8	ADT79843	Ade79843 Human sec	271	1700	100.0	318	8	ADG58011	Adg58011 Novel hum
215	1700	100.0	318	8	ADT57775	Adt57775 Human PRO	272	1700	100.0	318	8	ADG53595	Adg53595 Novel hum
216	1700	100.0	318	8	ADT73519	Adt73519 Human sec	273	1700	100.0	318	8	ADG71481	Adg71481 Novel hum
217	1700	100.0	318	8	ADE23351	Ade23351 Human PRO	274	1700	100.0	318	8	ADG81668	Adg81668 Human PRO
218	1700	100.0	318	8	ADT23903	Adt23903 Human PRO	275	1700	100.0	318	8	ADH30630	Adh30630 Human PRO
219	1700	100.0	318	8	ADE24546	Ade24546 Human PRO	276	1700	100.0	318	8	ADH11997	Adh11997 Novel hum
220	1700	100.0	318	8	ADD87371	Add87371 Human PRO	277	1700	100.0	318	8	ADG52419	Adg52419 Novel hum
221	1700	100.0	318	8	ADP89237	Adp89237 Human PRO	278	1700	100.0	318	8	ADG54147	Adg54147 Novel hum
222	1700	100.0	318	8	ADT74054	Ade74054 Human sec	279	1700	100.0	318	8	ADG81116	Adg81116 Human PRO
223	1700	100.0	318	8	ADT18376	Ade18376 Human PRO	280	1700	100.0	318	8	ADG56355	Adg56355 Novel hum
224	1700	100.0	318	8	ADT88685	Ade88685 Human PRO	281	1700	100.0	318	8	ADH12621	Adh12621 Novel hum
225	1700	100.0	318	8	ADT99608	Ade99608 Human sec	282	1700	100.0	318	8	ADG61467	Adg61467 Novel hum
226	1700	100.0	318	8	ADG94705	Adg94705 Human PRO	283	1700	100.0	318	8	ADH28554	Adh28554 Human PRO
227	1700	100.0	318	8	ADG91116	Adg91116 Human PRO	284	1700	100.0	318	8	ADG54699	Adg54699 Novel hum
228	1700	100.0	318	8	ADG95267	Adg95267 Human PRO	285	1700	100.0	318	8	ADG59739	Adg59739 Novel hum
229	1700	100.0	318	8	ADG93367	Adg93367 Human PRO	286	1700	100.0	318	8	ADH20653	Adh20653 Human sec
230	1700	100.0	318	8	ADP34948	Adp34948 Human PRO	287	1700	100.0	318	8	ADH07508	Adh07508 Human sec
231	1700	100.0	318	8	ADT98727	Ade98727 Human sec	288	1700	100.0	318	8	ADH60053	Adh60053 Human sec
232	1700	100.0	318	8	ADT92263	Ade92263 Novel hum	289	1700	100.0	318	8	ADH07081	Adh07081 Human sec
233	1700	100.0	318	8	ADB90564	Ade90564 Human PRO	290	1700	100.0	318	8	ADI81163	Adi81163 Human PRO
234	1700	100.0	318	8	ADB91711	Ade91711 Novel hum	291	1700	100.0	318	8	ADI18823	Adi18823 Human sec
235	1700	100.0	318	8	ADB99154	Ade99154 Human sec	292	1700	100.0	318	8	ADI65543	Adi65543 Human sec
236	1700	100.0	318	8	ADG40624	Adg40624 Human sec	293	1700	100.0	318	8	ADI37802	Adi37802 Human sec

ALIGNMENTS

RESULT 1
AAV13402
ID AAV13402 standard; protein; 318 AA.
XX
AC AAV13402;
XX
DT 25-JUN-1999 (first entry)
XX
DE Amino acid sequence of protein PRO310.
XX
KW Secreted protein; transmembrane protein; human; enterocolitis;
KW Zollinger-Ellison syndrome; gastrointestinal ulceration;
KW congenital microvillus atrophy; skin disease; cell growth;
KW abnormal keratinocyte differentiation; psoriasis; epithelial cancer;
KW Parkinson's disease; Alzheimer's disease; ALS; neuropathy; fibromodulin;
KW dermal scarring; Usher Syndrome; Atrophy areata; anti-thrombotic;
KW wound healing; tissue repair.
XX
OS Homo sapiens.
XX
PN W09914328-A2.

XX
PD 25-MAR-1999.
PF 16-SEP-1998; 98WO-US019330.
XX
PR 17-SEP-1997; 97US-0059113P.
PR 17-SEP-1997; 97US-0059115P.
PR 17-SEP-1997; 97US-0059119P.
PR 17-SEP-1997; 97US-0059121P.
PR 17-SEP-1997; 97US-0059122P.
PR 17-SEP-1997; 97US-0059184P.
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 18-SEP-1997; 97US-0062125P.
PR 17-OCT-1997; 97US-0062285P.
PR 17-OCT-1997; 97US-0062287P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0062814P.
PR 24-OCT-1997; 97US-0062816P.
PR 24-OCT-1997; 97US-0063045P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063127P.
PR 24-OCT-1997; 97US-0063128P.
PR 27-OCT-1997; 97US-0063329P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063542P.
PR 28-OCT-1997; 97US-0063549P.
PR 28-OCT-1997; 97US-0063550P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063435P.
PR 29-OCT-1997; 97US-0063704P.
PR 29-OCT-1997; 97US-0063732P.
PR 29-OCT-1997; 97US-0063734P.
PR 29-OCT-1997; 97US-0063735P.
PR 29-OCT-1997; 97US-0063738P.
PR 29-OCT-1997; 97US-0064215P.
PR 31-OCT-1997; 97US-0063670P.
PR 03-NOV-1997; 97US-0064103P.
PR 07-NOV-1997; 97US-0064248P.
PR 12-NOV-1997; 97US-0065186P.
PR 17-NOV-1997; 97US-0065846P.
PR 18-NOV-1997; 97US-0065693P.
PR 21-NOV-1997; 97US-0066120P.
PR 21-NOV-1997; 97US-0066164P.
PR 24-NOV-1997; 97US-0066453P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066511P.
PR 24-NOV-1997; 97US-0066770P.
PR 24-NOV-1997; 97US-0066772P.
PR 25-NOV-1997; 97US-0066840P.
XX
PA (GETH) GENENTECH INC.

XX
 PI Wood WI, Gurney AL, Goddard A, Pennica D, Chen J, Yuan J;
 XX
 DR WPI; 1999-229533/19.
 DR N-PSDB; AAX52273.
 XX
 PT New isolated human genes and polypeptides used in, e.g. treatment of
 PT gastrointestinal ulceration.
 XX
 PS Claim 12; Fig 120; 320pp; English.
 XX
 CC AAY13344-403 represent secreted and transmembrane human proteins. The
 CC cDNA sequences are obtained from cDNA libraries, prepared from fetal
 CC lung, fetal kidney, fetal brain, fetal liver and fetal retina. The
 CC encoded polypeptides have specific uses based on their homology to known
 CC polypeptides, e.g. PRO211 and PRO217 can be used for disorders associated
 CC with the preservation and maintenance of gastrointestinal mucosa and the
 CC repair of acute and chronic mucosal lesions (e.g. enterocolitis,
 CC Zollinger-Ellison syndrome, gastrointestinal ulceration and congenital
 CC microvillus atrophy); skin diseases associated with abnormal keratinocyte
 CC differentiation (e.g. psoriasis, epithelial cancers such as lung squamous
 CC cell carcinoma of the vulva and gliomas); potent effects on cell growth
 CC and development; diseases related to growth or survival of nerve cells
 CC including Parkinson's disease, Alzheimer's disease, ALS, neuropathies or
 CC cancer. PRO265 can be used as for fibromodulin, e.g. for reducing dermal
 CC scarring. PRO264 can be used as a target for anti-tumor drugs. PRO533 may
 CC be used in the treatment of Usher Syndrome or Atrophia areata; PRO269 can
 CC be used as an anti-thrombotic agent; PRO287 polypeptides and portions may
 CC have therapeutic applications in wound healing and tissue repair; PRO317
 CC can be used for treating problems of the kidney, uterus, endometrium,
 CC blood vessels, or related tissue, e.g. in the heart of genital tract
 XX
 SO Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 2; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 YY 1 MLSSESSSPFLKGVMVLGSIFCALITMLGHIRIGHNRMHHHHHHHLOAPNKEDILKISEDER 60
 |||||
 DB 1 MLSSESSSPFLKGVMVLGSIFCALITMLGHIRIGHNRMHHHHHHHLOAPNKEDILKISEDER 60
 |||||
 YY 61 MELSKSFRVYCIILVKPKDVSLSLAAVKGETWTKHCDKAEPFSSSENVKVFESINMDTNMML 120
 |||||
 DB 61 MELSKSFRVYCIILVKPKDVSLSLAAVKGETWTKHCDKAEPFSSSENVKVFESINMDTNMML 120
 |||||
 YY 121 MMRKAYKVAFDKYRDOYNFFLARPTTFAIENLYKFLKKDPSPQPFYLGHТИKSGDLEY 180
 |||||
 DB 121 MMRKAYKVAFDKYRDOYNFFLARPTTFAIENLYKFLKKDPSPQPFYLGHТИKSGDLEY 180
 |||||
 YY 181 VGMGGIVLVSVESMKRLNSSLNIPSEKCPPEQOGMIWIKISEDKQLAVCLKYAGVFAENAEDA 240
 |||||
 DB 181 VGMGGIVLVSVESMKRLNSSLNIPSEKCPPEQOGMIWIKISEDKQLAVCLKYAGVFAENAEDA 240
 |||||
 YY 241 DGKDVFNTKSVGLSIKEAMTYHPNQVVBGCCSDMAVTFNGLTPNQHVMGYVYRLRAFG 300
 |||||
 DB 241 DGKDVFNTKSVGLSIKEAMTYHPNQVVBGCCSDMAVTFNGLTPNQHVMGYVYRLRAFG 300

YY 301 HIFNDALVFLPPNGSDND 318
 |||||
 DB 301 HIFNDALVFLPPNGSDND 318
 XX
 RESULT 2
 AAB18988
 ID AAB18988 standard; protein; 318 AA.
 XX
 AC AAB18988;
 XX
 DT 08-FEB-2001 (first entry)
 XX
 DE Amino acid sequence of a human transmembrane protein.
 XX
 KW Human; transmembrane protein; cell proliferation disorder; myeloma;
 KW reproductive disorder; smooth muscle disorder; neurological disorder;
 KW arteriosclerosis; leukaemia; acquired immunodeficiency syndrome; AIDS;
 KW allergy; ovulatory defect; angina; hypertension; stroke; epilepsy;
 KW Alzheimer's disease; Tourette's disorder.
 XX
 OS Homo sapiens.
 XX
 FH Key Location/Qualifiers
 FT Modified-site 56
 FT /note= "potential phosphorylation site"
 FT Modified-site 66
 FT /note= "potential phosphorylation site"
 FT Modified-site 172
 FT /note= "potential phosphorylation site"
 FT Modified-site 180
 FT /note= "potential phosphorylation site"
 FT Modified-site 193
 FT /note= "potential phosphorylation site"
 FT Modified-site 254
 FT /note= "potential phosphorylation site"
 FT Modified-site 313
 FT /note= "potential glycosylation site"
 FT Modified-site 315
 FT /note= "potential phosphorylation site"
 XX
 PN WO200056891-A2.
 XX
 PD 28-SEP-2000.
 XX
 PF 22-MAR-2000; 2000WO-US07817.
 XX
 PR 22-MAR-1999; 99US-01255J7P.
 PR 16-JUN-1999; 99US-0139565P.
 XX
 PA (INCY-) INCYTE PHARM INC.
 XX
 PI Yue H, Lai P, Tang YT, Hillman JL, Reddy R, Bandman O;
 PI Baughn MR, Lu DAM, Azimzai Y, Yang J;
 XX
 DR WPI; 2000-579485/54.

DR N-PSDB; AAA96501.
 XX
 PT New human transmembrane proteins are used to treat a disease or condition
 PT associated with decreased expression of functional HTMP e.g. Tourette's
 PT disorder, angina and leukemia.
 XX
 PS Disclosure; Page 105-106; 130pp; English.
 XX
 CC The present sequence represents a human transmembrane protein (HTMP).
 CC Agonists and antagonists of the protein are used to treat a disease or
 CC condition associated with overexpression of the protein. Diseases and
 CC conditions which can be treated include cell proliferative,
 CC immunological, reproductive, smooth muscle and neurological disorders
 CC e.g. arteriosclerosis, myeloma, leukaemia, acquired immunodeficiency
 CC syndrome (AIDS), allergies, ovulatory defects, angina, hypertension,
 CC stroke, Alzheimer's disease, epilepsy and Tourette's disorder. The
 CC polynucleotides may be used to detect and quantify gene expression in
 CC biopsied tissues where protein expression may be correlated with disease
 CC e.g. to determine absence, presence or excess expression of HTMP or to
 CC monitor regulation of HTMP expression during therapeutic intervention
 XX
 SO Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 3; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 YY 1 MLSSESSSPFLKGVMVLGSIFCALITMLGHIRIGHNRMHHHHHHHLOAPNKEDILKISEDER 60
 |||||
 DB 1 MLSSESSSPFLKGVMVLGSIFCALITMLGHIRIGHNRMHHHHHHHLOAPNKEDILKISEDER 60
 |||||
 YY 61 MELSKSFRVYCIILVKPKDVSLSLAAVKGETWTKHCDKAEPFSSSENVKVFESINMDTNMML 120
 |||||
 DB 61 MELSKSFRVYCIILVKPKDVSLSLAAVKGETWTKHCDKAEPFSSSENVKVFESINMDTNMML 120
 |||||
 YY 121 MMRKAYKVAFDKYRDOYNFFLARPTTFAIENLYKFLKKDPSPQPFYLGHТИKSGDLEY 180
 |||||
 DB 121 MMRKAYKVAFDKYRDOYNFFLARPTTFAIENLYKFLKKDPSPQPFYLGHТИKSGDLEY 180
 |||||
 YY 181 VGMGGIVLVSVESMKRLNSSLNIPSEKCPPEQOGMIWIKISEDKQLAVCLKYAGVFAENAEDA 240
 |||||
 DB 181 VGMGGIVLVSVESMKRLNSSLNIPSEKCPPEQOGMIWIKISEDKQLAVCLKYAGVFAENAEDA 240
 |||||
 YY 241 DGKDVFNTKSVGLSIKEAMTYHPNQVVBGCCSDMAVTFNGLTPNQHVMGYVYRLRAFG 300
 |||||
 DB 241 DGKDVFNTKSVGLSIKEAMTYHPNQVVBGCCSDMAVTFNGLTPNQHVMGYVYRLRAFG 300
 |||||
 YY 301 HIFNDALVFLPPNGSDND 318
 |||||
 DB 301 HIFNDALVFLPPNGSDND 318

XX
 DT 01-JAN-2004 (first entry)
 XX
 DE Human PRO310 protein.
 XX
 KW antiinflammatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian;
 KW nootropic; neuroprotective; vasoconstrictor; chemotactic; angiogenic;
 KW neurotrophic; osteoprotective; antiasthmatic; antiarthritic; antirheumatic;
 KW antiangiokeratotic; cardiotonic; antidiabetic; cerebroprotective;
 KW thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;
 KW gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;
 KW Alzheimer's; AIDS; neuropathy; dermal scarring; wound healing;
 KW nerve repair; thrombosis; bone; cartilage formation; angiogenesis;
 KW asthma; rheumatoid arthritis; multiple sclerosis; inflammatory disorder;
 KW atherosclerosis; cardiac injury; infertility; premature aging; AIDS;
 KW diabetes; stroke; gene therapy; transgenic; PRO; human.
 XX
 OS Homo sapiens.
 XX
 PN WO200015796-A2.
 XX
 PD 23-MAR-2000.
 XX
 PF 15-SEP-1999; 99WO-US021090.
 XX
 PR 16-SEP-1998; 98WO-US019330.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Chen J, Goddard A, Gurney AL, Hillian K, Pennica D, Wood WI;
 PI Yuan J;
 XX
 DR WPI; 2000-271434/23.
 DR N-PSDB; ADC78652.
 XX
 PT Novel nucleic acids encoding secreted and transmembrane polypeptides with
 PT homology, e.g. to growth and cancer-associated antigens.
 XX
 PS Claim 12; SEQ ID NO 341; 355pp; English.
 XX
 CC The invention relates to a novel nucleic acid encoding a PRO polypeptide.
 CC The polypeptides and polynucleotides of the invention may be useful as
 CC research tools and as therapeutics for treating enterocolitis, Zollinger-
 CC Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,
 CC Parkinson's disease, Alzheimer's disease, AIDS, neuropathies, dermal
 CC scarring and wound healing, nerve repair, thrombosis, bone and/or
 CC cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple
 CC sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,
 CC infertility, premature aging, AIDS, diabetes complications and stroke.
 CC The molecules may also be utilised during gene therapy procedures and
 CC transgenic animal production. The current sequence is that of the human
 CC PRO protein of the invention.
 XX
 SO Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 3; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;

RESULT 3
 ADC78653
 ID ADC78653 standard; protein; 318 AA.
 XX
 AC ADC78653;

Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLESSSSFLKGVLGSIFCALITMLGHIRIGHGNRMHHHHHHHLQAPNKEDEILKISEDER 60
 Db 1 MLESSSSFLKGVLGSIFCALITMLGHIRIGHGNRMHHHHHHHLQAPNKEDEILKISEDER 60
 Qy 61 MELSKSFRVYCIILVKPKDVSLSWAAVAKETWTICHDKAEPFSSENVKFESINMDTNMWL 120
 Db 61 MELSKSFRVYCIILVKPKDVSLSWAAVAKETWTICHDKAEPFSSENVKFESINMDTNMWL 120
 Qy 121 MMRKAYKYAFDKYRDOYNNFFLARPTTFAIENLYFLLKKDPSPQPFYLGHTKSGDLEY 180
 Db 121 MMRKAYKYAFDKYRDOYNNFFLARPTTFAIENLYFLLKKDPSPQPFYLGHTKSGDLEY 180
 Qy 181 VGMEGGIVLSVESMKRLNSLNLIPKCPEOGGMWIKISEDKQLAVCLKYAGVFAENAEDA 240
 Db 181 VGMEGGIVLSVESMKRLNSLNLIPKCPEOGGMWIKISEDKQLAVCLKYAGVFAENAEDA 240
 Qy 241 DGKDVFNTKSVGLS1KEMATHPNQVVEGCCSDMAVTFNGLTPNQHVMYGVYRLRAFG 300
 Db 241 DGKDVFNTKSVGLS1KEMATHPNQVVEGCCSDMAVTFNGLTPNQHVMYGVYRLRAFG 300
 Qy 301 HIFNDALVFLPPNGSDND 318
 Db 301 HIFNDALVFLPPNGSDND 318

RESULT 4
AAB80270
 ID AAB80270 standard; protein; 318 AA.
 XX
 AC AAB80270;
 XX
 DT 24-APR-2001 (first entry)
 XX
 DE Human PRO310 protein.
 XX
 KW Human; PRO; dermatological; antipsoriatic; cytostatic; antiinflammatory; antiparkinsonian nootropic; neuroprotective; vulnerary; cardiant; antiangiogenic; vasotropic; antiasthmatic; antirheumatic; cancer; antiarthritic; antiinfertility; antidiabetic; antiviral; diabetes; ophthalmological; gene therapy; skin disease; gastrointestinal disorder; ischaemia; inflammation.
 XX
 OS Homo sapiens.
 XX
 PN WO200104311-A1.
 XX
 PD 18-JAN-2001.
 XX
 PF 22-FEB-2000; 2000WO-US004414.
 XX
 PR 07-JUL-1999; 99US-0143048P.
 PR 26-JUL-1999; 99US-0145698P.
 PR 28-JUL-1999; 99US-0146222P.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020594.

PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028213.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 05-JAN-2000; 2000WO-US000219.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Ashkenazi AJ, Botstein D, Desnoyers L, Eaton DL, Ferrara N; Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A; Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ, Kljavin IJ; Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D; Williams PM, Wood WI;
 DR WPI; 2001-081051/09.
 DR N-PSDB; AAP72431.
 XX
 PT Sixty one nucleic acids encoding PRO polypeptides which are useful in the treatment of skin diseases (e.g. psoriasis), cancers (e.g. lung squamous cell carcinoma) and neurodegenerative diseases (e.g. Alzheimer's disease).
 XX
 PS Claim 1; Fig 120; 393pp; English.
 XX
 CC The present sequence is one of sixty one novel secreted and transmembrane PRO polypeptides. The PRO polypeptides are useful for treating skin diseases (e.g. psoriasis), cancers (e.g. lung squamous cell carcinoma), gastrointestinal disorders (e.g. enterocolitis), neurodegenerative diseases (e.g. Alzheimer's disease, Parkinson's disease), wound repair, cardiovascular disorders (e.g. endometrial bleeding angiogenesis, ischaemias such as coronary ischaemia, atherosclerosis), inflammatory disorders (e.g. asthma, rheumatoid arthritis, multiple sclerosis), infertility, AIDS and diabetes and retinal disorders such as retinitis pigmentosum. The PRO nucleic acids have applications in molecular biology, including use as hybridization probes, and in chromosome and gene mapping.
 XX
 SQ Sequence 318 AA;
 Query Match 100.0%; Score 1700; DB 4; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLESSSSFLKGVLGSIFCALITMLGHIRIGHGNRMHHHHHHHLQAPNKEDEILKISEDER 60
 Db 1 MLESSSSFLKGVLGSIFCALITMLGHIRIGHGNRMHHHHHHHLQAPNKEDEILKISEDER 60
 Qy 61 MELSKSFRVYCIILVKPKDVSLSWAAVAKETWTICHDKAEPFSSENVKFESINMDTNMWL 120
 Db 61 MELSKSFRVYCIILVKPKDVSLSWAAVAKETWTICHDKAEPFSSENVKFESINMDTNMWL 120

RESULT 5
AAU12358
 ID AAU12358 standard; protein; 318 AA.
 XX
 AC AAU12358;
 XX
 DT 24-OCT-2001 (first entry)
 XX
 DE Human PRO310 polypeptide sequence.
 XX
 KW Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast; prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage; ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte; A-peptide; factor VIIA; gene therapy.
 XX
 OS Homo sapiens.
 XX
 PN WO2001040466-A2.
 XX
 PD 07-JUN-2001.
 XX
 PF 01-DEC-2000; 2000WO-US032678.
 XX
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 09-DEC-1999; 99US-0170262P.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US004365.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.

PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 10-MAR-2000; 2000WO-US006119.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 05-JUN-2000; 2000US-0209832P.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023326.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W; Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S; Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 DR WPI; 2001-408281/43.
 DR N-PSDB; AAS21430.
 XX
 PT Isolated , secretory and transmembrane PRO polypeptide used to detect other PRO polypeptides, link bioactive molecules to cells expressing PRO polypeptides, and detect the presence of mammalian tumors e.g. lung, breast, prostate, cervical.
 XX
 PS Claim 12; Fig 374; 813pp; English.
 XX
 CC AAU12172-AAU12446 represent novel human secretory and transmembrane PRO polypeptides. The PRO polypeptides are useful to detect other PRO polypeptides, to link bioactive molecules to cells expressing PRO polypeptides, to modulate biological activities of cells expressing PRO polypeptides, and to detect the presence of mammalian lung, colon, breast, prostate, rectal, cervical or liver tumours by comparing PRO polypeptide expression in a cell sample to that in a control sample. Some of the 275 sequences are also useful to stimulate the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or differentiation of chondrocytes, the proliferation or gene expression in pericyte cells, the release of proteoglycans from cartilage, the proliferation of inner ear utricular supporting cells or of T-lymphocytes, the release of a cytokine from peripheral blood monocytes (PBMCs), or the proliferation of endothelial cells. Some of the PRO polypeptides may modulate glucose or free fatty acid uptake by skeletal muscle cells or by adipocytes; or inhibit binding of A-peptide to factor VIIA. The PRO polypeptides can be used in assays to identify molecules involved in binding interactions. The polynucleotides encoding PRO

CC polypeptides can be used to generate probes, antisense RNA/DNA,
 CC transgenic or knock out animals and can be used in gene therapy
 XX
 SQ Sequence 318 AA;
 Query Match 100.0%; Score 1700; DB 4; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLESSESSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHHHLOAPNKEDILKISEDER 60
 Db 1 MLESSESSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHHHLOAPNKEDILKISEDER 60
 Qy 61 MELSKSFRVYCIILVKPKDVSLSWAAVKEWTWIKCDKAESFFSSENVKVFESINMDTNDMHL 120
 Db 61 MELSKSFRVYCIILVKPKDVSLSWAAVKEWTWIKCDKAESFFSSENVKVFESINMDTNDMHL 120
 Qy 121 MMKRAYKAYAFDKYRDQYNNPFLARPPTFAIENLYFLLKKDPSQPFPYLGHTIKSGDLEY 180
 Db 121 MMKRAYKAYAFDKYRDQYNNPFLARPPTFAIENLYFLLKKDPSQPFPYLGHTIKSGDLEY 180
 Qy 181 VGMGGGIVLSVSEMSKRLNSLNLIPKCPREOGGMIMKISEDKOLAVCLKYAGVPAENAEDA 240
 Db 181 VGMGGGIVLSVSEMSKRLNSLNLIPKCPREOGGMIMKISEDKOLAVCLKYAGVPAENAEDA 240
 Qy 241 DGKDVFNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQHMVMMYGVYRLRAFG 300
 Db 241 DGKDVFNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQHMVMMYGVYRLRAFG 300
 Qy 301 HIFNDALVFLPPNGSDND 318
 Db 301 HIFNDALVFLPPNGSDND 318

RESULT 6
 ABU71648
 ID ABU71648 standard; protein; 318 AA.
 XX
 AC ABU71648;
 XX
 DT 16-JUN-2003 (first entry)
 XX
 DB Human PRO polypeptide #59.
 XX
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KW pathological disorder; cardiac insufficiency disorder; protein secretion;
 KW pancreas; diabetes; gastrointestinal mucosa; mucosal lesion; psoriasis;
 KW skin disease; keratinocyte differentiation; epithelial cancer; tumour;
 KW lung squamous cell carcinoma; epidermoid carcinoma; vulva; glioma;
 KW cytostatic; cardiot; endocrine; antidiabetic; gastrointestinal;
 KW antiluler; dermatological; vulnery.
 XX
 OS Homo sapiens.
 XX
 PN US2002146709-A1.
 XX
 PD 10-OCT-2002.

XX
 PR 18-JUL-2001; 2001US-00909088.
 XX
 PR 17-SEP-1997; 97US-0059113P.
 PR 17-SEP-1997; 97US-0059115P.
 PR 17-SEP-1997; 97US-0059117P.
 PR 17-SEP-1997; 97US-0059119P.
 PR 17-SEP-1997; 97US-0059121P.
 PR 17-SEP-1997; 97US-0059122P.
 PR 17-SEP-1997; 97US-0059184P.
 PR 18-SEP-1997; 97US-0059263P.
 PR 18-SEP-1997; 97US-0059266P.
 PR 15-OCT-1997; 97US-0062125P.
 PR 17-OCT-1997; 97US-0062285P.
 PR 17-OCT-1997; 97US-0062287P.
 PR 21-OCT-1997; 97US-0063486P.
 PR 24-OCT-1997; 97US-0062814P.
 PR 24-OCT-1997; 97US-0062816P.
 PR 24-OCT-1997; 97US-0063045P.
 PR 24-OCT-1997; 97US-0063120P.
 PR 24-OCT-1997; 97US-0063121P.
 PR 24-OCT-1997; 97US-0063127P.
 PR 24-OCT-1997; 97US-0063128P.
 PR 27-OCT-1997; 97US-0063327P.
 PR 27-OCT-1997; 97US-0063329P.
 PR 28-OCT-1997; 97US-0063541P.
 PR 28-OCT-1997; 97US-0063542P.
 PR 28-OCT-1997; 97US-0063544P.
 PR 28-OCT-1997; 97US-0063545P.
 PR 28-OCT-1997; 97US-0063550P.
 PR 28-OCT-1997; 97US-0063564P.
 PR 29-OCT-1997; 97US-0063435P.
 PR 29-OCT-1997; 97US-0063704P.
 PR 29-OCT-1997; 97US-0063732P.
 PR 29-OCT-1997; 97US-0063734P.
 PR 29-OCT-1997; 97US-0063735P.
 PR 29-OCT-1997; 97US-0063738P.
 PR 29-OCT-1997; 97US-0064215P.
 PR 31-OCT-1997; 97US-0063870P.
 PR 31-OCT-1997; 97US-0064103P.
 PR 03-NOV-1997; 97US-0064246P.
 PR 07-NOV-1997; 97US-0064809P.
 PR 12-NOV-1997; 97US-0065186P.
 PR 17-NOV-1997; 97US-0065846P.
 PR 18-NOV-1997; 97US-0065843P.
 PR 21-NOV-1997; 97US-0066120P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 24-NOV-1997; 97US-0066453P.
 PR 24-NOV-1997; 97US-0066466P.
 PR 24-NOV-1997; 97US-0066511P.
 PR 24-NOV-1997; 97US-0066770P.
 PR 24-NOV-1997; 97US-0066772P.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019177.
 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019437.
 PR 01-DEC-1998; 98WO-US025108.

PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028213.
 PR 01-DEC-1999; 99WO-US028301.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 11-FEB-2000; 2000WO-US003665.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 18-SEP-2000; 2000US-00665350.
 XX
 PA (GETH) GENENTECH INC.

XX
 PI Ashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N;
 PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen MS, Goddard A;
 PI Godowski PJ, Grimaldi JC, Gurney AL, Hillian KJ, Klajnberg IJ;
 PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;
 PI Williams PM, Wood WI;

XX
 DR WPI; 2003-328338/31.
 DR N-PSDB; ACA59177.

XX
 PT Isolated nucleic acid useful for e.g., treating pathological disorders
 PT encodes a secreted or transmembrane protein.

XX
 PS Claim 12; Fig 120; 473pp; English.

XX
 CC The invention relates to human PRO polypeptides (secreted or
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC PRO polypeptides and polynucleotides can be used in treating pathological
 CC disorders and tumours, in therapeutic treatment of cardiac insufficiency
 CC disorders and in therapeutic treatment of disorders involving protein
 CC secretion by the pancreas, including diabetes. They can also be used in
 CC treating disorders associated with the preservation and maintenance of
 CC gastrointestinal mucosa and the repair of acute and chronic mucosal
 CC lesions, and skin diseases associated with abnormal keratinocyte
 CC differentiation (e.g., psoriasis, epithelial cancers such as lung
 CC squamous cell carcinoma, epidermoid carcinoma of the vulva and gliomas).
 CC The sequences can be used as molecular markers for protein
 CC electrophoresis purposes and can be utilised in protein-protein binding
 CC assays, biochemical screening assays, immunoassays and cell-based assays.
 CC This sequence represents a human PRO polypeptide of the invention

XX
 SQ Sequence 318 AA;
 Query Match 100.0%; Score 1700; DB 6; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLESSESSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHHHLOAPNKEDILKISEDER 60
 Db 1 MLESSESSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHHHHHLOAPNKEDILKISEDER 60
 Qy 61 MELSKSFRVYCIILVKPKDVSLSWAAVKEWTWIKCDKAESFFSSENVKVFESINMDTNDMHL 120
 Db 61 MELSKSFRVYCIILVKPKDVSLSWAAVKEWTWIKCDKAESFFSSENVKVFESINMDTNDMHL 120
 Qy 121 MMKRAYKAYAFDKYRDQYNNPFLARPPTFAIENLYFLLKKDPSQPFPYLGHTIKSGDLEY 180
 Db 121 MMKRAYKAYAFDKYRDQYNNPFLARPPTFAIENLYFLLKKDPSQPFPYLGHTIKSGDLEY 180
 Qy 181 VGMGGGIVLSVSEMSKRLNSLNLIPKCPREOGGMIMKISEDKOLAVCLKYAGVPAENAEDA 240
 Db 181 VGMGGGIVLSVSEMSKRLNSLNLIPKCPREOGGMIMKISEDKOLAVCLKYAGVPAENAEDA 240
 Qy 241 DGKDVFNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQHMVMMYGVYRLRAFG 300
 Db 241 DGKDVFNTKSVGLSIKEAMTYHPNQVVEGCCSDMAVTFNGLTPNQHMVMMYGVYRLRAFG 300
 Qy 301 HIFNDALVFLPPNGSDND 318
 Db 301 HIFNDALVFLPPNGSDND 318

XX
 RESULT 7
 ABO17802
 ID ABO17802 standard; protein; 318 AA.
 XX
 AC ABO17802;
 XX
 DT 26-AUG-2003 (first entry)
 XX
 DB Novel human secreted and transmembrane protein PRO310.
 XX
 KW Human; secreted and transmembrane protein; PRO; antiinflammatory;
 KW antiarteriosclerotic; cardiot; anti-infertility; anti-HIV; cytostatic;
 KW antidiabetic; gene therapy; tumour necrosis factor (TNF)-alpha release;
 KW TNF-alpha release; cell proliferation; cell differentiation;
 KW gene expression modulator; proteoglycan release; cytokine release;
 KW tumour; inflammatory disease; organ failure; atherosclerosis;
 KW cardiac injury; infertility; birth defect; premature aging; AIDS;
 KW acquired immunodeficiency syndrome; cancer; diabetic complication;
 KW chromosome mapping; gene mapping; pharmaceutical; diagnostic; biosensor;
 KW bioreactor; tissue typing.
 XX
 OS Homo sapiens.
 XX
 PN US2003032156-A1.
 XX

PR 13-FEB-2003.
 XX
 PF 06-MAY-2002; 2002US-00140474.
 XX
 PR 31-MAR-1997; 97WO-US005230.
 PR 12-JUN-1998; 98WO-US012456.
 PR 14-JUL-1998; 98WO-US014552.
 PR 28-AUG-1998; 98WO-US017888.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019093.
 PR 14-SEP-1998; 98WO-US019094.
 PR 14-SEP-1998; 98WO-US019177.
 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019417.
 PR 07-OCT-1998; 98WO-US021141.
 PR 29-OCT-1998; 98WO-US022991.
 PR 29-OCT-1998; 98WO-US022992.
 PR 20-NOV-1998; 98WO-US024855.
 PR 01-DEC-1998; 98WO-US025108.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 30-NOV-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 22-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000319.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US0747259.
 PR 20-DEC-2000; 2000WO-US014956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2003-341980/32.
 DR N-PSDB; ACD24039.
 XX
 PT New secreted and transmembrane PRO nucleic acids, for treating

PT inflammation, organ failure, atherosclerosis, cardiac injury,
 PT infertility, birth defects, premature aging, acquired immunodeficiency
 PT syndrome (AIDS), or cancer.
 XX
 PS Claim 12; Fig 374; 660pp; English.
 XX
 CC The invention describes an isolated nucleic acid (I) comprising, or which
 CC has 80 % sequence identity to, or the full-length coding sequence of, one
 CC of 275 nucleotide sequences, and which encodes a corresponding
 CC polypeptide selected from 275 amino acid sequences, where all sequences
 CC are given in the specification. The polypeptide encoded by (I) is used to
 CC detect PRO polypeptides, link a bioactive molecule to a cell expressing a
 CC PRO polypeptide, modulate a biological activity of a cell, stimulate the
 CC release of tumour necrosis factor (TNF)-alpha from human blood, modulates
 CC the uptake of glucose or free fatty acid by cells, stimulate or inhibit
 CC the proliferation or differentiation of cells or gene expression,
 CC stimulate the release of proteoglycans, stimulate the release of cytokine
 CC from peripheral blood mononuclear cells, inhibit the binding of A-peptide
 CC to factor VIIa, or detect the presence of tumour in a mammal. The nucleic
 CC acid and polypeptide encoded by it, are useful for treating inflammatory
 CC diseases, organ failure, atherosclerosis, cardiac injury, infertility,
 CC birth defects, premature aging, acquired immunodeficiency syndrome
 CC (AIDS), cancer, or diabetic complications. The nucleic acid is useful as
 CC hybridisation probes, in chromosome and gene mapping, and in generating
 CC antisense RNA or DNA. The polypeptides are useful as pharmaceuticals,
 CC diagnostics, biosensor or bioreactors. Both are useful in tissue typing.
 CC This is the amino acid sequence of a novel human secreted and
 CC transmembrane PRO polypeptide
 XX
 SQ Sequence 318 AA;

Query Match 100.0%; Score 1700; DB 6; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLESSSSPLKGVMGLSIFCALITMLGHIRIGHGNRMHHHHHHLOAPNKEDEILKISEDER 60
 |||||||
 Db 1 MLESSSSPLKGVMGLSIFCALITMLGHIRIGHGNRMHHHHHHLOAPNKEDEILKISEDER 60

Qy 61 MELSKSFRRVCIIILVKPKDVSLLAAVKETWTGHDCKDAEPPSSENVKVFESINMDTNDMML 120
 |||||
 Db 61 MELSKSFRRVCIIILVKPKDVSLLAAVKETWTGHDCKDAEPPSSENVKVFESINMDTNDMML 120

Qy 121 MKRKAYKAYFDKYRDQYMFPLARPTTFAIENLKYFLKKDPSOFPYLGHTIKSGDLEY 180
 |||||
 Db 121 MKRKAYKAYFDKYRDQYMFPLARPTTFAIENLKYFLKKDPSOFPYLGHTIKSGDLEY 180

Qy 181 VGMGGGIVL5VESMKRNL5LLN1P8KCPCEGGOMWIKISEDKQLAVCLKYAGVFAENAEDA 240
 |||||
 Db 181 VGMGGGIVL5VESMKRNL5LLN1P8KCPCEGGOMWIKISEDKQLAVCLKYAGVFAENAEDA 240

Qy 241 DGKDVFTKSVGLS1KEAMTYHPNMVEGCCSDMAVTFNGLTPHNMHVMMGVYRLRAFG 300
 |||||
 Db 241 DGKDVFTKSVGLS1KEAMTYHPNMVEGCCSDMAVTFNGLTPHNMHVMMGVYRLRAFG 300

Qy 301 HIFNDALVFLPPNGSDND 318
 |||||||
 DB 301 HIFNDALVFLPPNGSDND 318

DB 301 HIFNDALVFLPPNGSDND 318

RESULT 8
 ABU71503
 ID ABU71503 standard; protein; 318 AA.
 XX
 AC ABU71503;
 XX
 DT 10-JUN-2003 (first entry)
 XX
 DE Human PRO polypeptide #59.
 XX
 KW Human; secreted and transmembrane protein; PRO polypeptide; cancer;
 KW Alzheimer's disease; ischaemia; cytostatic; nootropic; vasotrophic;
 KW neuroprotective.
 XX
 OS Homo sapiens.
 XX
 PN US2002192659-A1.
 XX
 PD 19-DEC-2002.
 XX
 PR 10-JUL-2001; 2001US-00902853.
 XX
 PR 17-SEP-1997; 97US-0059113P.
 PR 17-SEP-1997; 97US-0059115P.
 PR 17-SEP-1997; 97US-0059117P.
 PR 17-SEP-1997; 97US-0059119P.
 PR 17-SEP-1997; 97US-0059121P.
 PR 17-SEP-1997; 97US-0059122P.
 PR 17-SEP-1997; 97US-0059184P.
 PR 18-SEP-1997; 97US-0059263P.
 PR 18-SEP-1997; 97US-0059266P.
 PR 15-OCT-1997; 97US-0061212P.
 PR 17-OCT-1997; 97US-0062285P.
 PR 17-OCT-1997; 97US-0062287P.
 PR 21-OCT-1997; 97US-0063486P.
 PR 24-OCT-1997; 97US-0062814P.
 PR 24-OCT-1997; 97US-0062816P.
 PR 24-OCT-1997; 97US-0063045P.
 PR 24-OCT-1997; 97US-0063120P.
 PR 24-OCT-1997; 97US-0063121P.
 PR 24-OCT-1997; 97US-0063127P.
 PR 24-OCT-1997; 97US-0063129P.
 PR 27-OCT-1997; 97US-0063329P.
 PR 28-OCT-1997; 97US-0063541P.
 PR 28-OCT-1997; 97US-0063542P.
 PR 28-OCT-1997; 97US-0063544P.
 PR 28-OCT-1997; 97US-0063545P.
 PR 28-OCT-1997; 97US-0063550P.
 PR 28-OCT-1997; 97US-0063564P.
 PR 29-OCT-1997; 97US-0063435P.
 PR 29-OCT-1997; 97US-0063704P.
 PR 29-OCT-1997; 97US-0063732P.
 PR 29-OCT-1997; 97US-0063734P.

PR 29-OCT-1997; 97US-0063735P.
 PR 29-OCT-1997; 97US-0063738P.
 PR 29-OCT-1997; 97US-0064215P.
 PR 31-OCT-1997; 97US-0063870P.
 PR 31-OCT-1997; 97US-0064103P.
 PR 03-NOV-1997; 97US-0064248P.
 PR 07-NOV-1997; 97US-0064809P.
 PR 12-NOV-1997; 97US-0065186P.
 PR 17-NOV-1997; 97US-0065846P.
 PR 18-NOV-1997; 97US-0065693P.
 PR 21-NOV-1997; 97US-0066120P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 24-NOV-1997; 97US-0066453P.
 PR 24-NOV-1997; 97US-0066466P.
 PR 24-NOV-1997; 97US-0066511P.
 PR 24-NOV-1997; 97US-0066770P.
 PR 24-NOV-1997; 97US-0066772P.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019177.
 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019437.
 PR 01-DEC-1998; 98WO-US025108.
 PR 08-SEP-1998; 99WO-US020594.
 PR 13-SEP-1998; 99WO-US020944.
 PR 15-SEP-1998; 99WO-US021090.
 PR 15-SEP-1998; 99WO-US021547.
 PR 05-OCT-1998; 99WO-US023089.
 PR 29-NOV-1998; 99WO-US028214.
 PR 30-NOV-1998; 99WO-US028313.
 PR 01-DEC-1998; 99WO-US028301.
 PR 02-DEC-1998; 99WO-US028564.
 PR 02-DEC-1998; 99WO-US028565.
 PR 16-DEC-1998; 99WO-US030095.
 PR 20-DEC-1998; 99WO-US030911.
 PR 20-DEC-1998; 99WO-US030999.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 18-SEP-2000; 2000US-0065350.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Ashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N;
 PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen MS, Goddard A;
 PI Godowski PJ, Grimaldi JC, Gurney AL, Hillian AJ, Kjavin IJ;
 PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;
 PI Williams PM, Wood WI;
 XX
 DR WPI; 2003-361832/34.

DR N-PSDB; ACAS5874.
 XX
 PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO245 or PRO1868, useful in molecular biology, chromosome and gene mapping, in generating antisense RNA and DNA, and in gene therapy.
 XX
 PS Claim 12; Fig 120; 474pp; English.
 XX
 CC The present invention relates to the isolation of novel human secreted and transmembrane proteins (PRO polypeptides), and the polynucleotide sequences encoding them. The polynucleotide sequences are useful in molecular biology, as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA, and in gene therapy. The polynucleotide sequences may also be used in preparing PRO polypeptides by recombinant techniques, and in generating either transgenic animals or knock-out animals which, in turn, are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or their antibodies are useful in preparing a medicament for treating a condition responsive to the polypeptide or antibody, such as cancer, Alzheimer's disease or ischaemia, and in various diagnostic assays.
 CC ABU1445-ABU1505 represent human PRO polypeptides of the invention
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 SQ Sequence 318 AA:
 Query Match 100.0%; Score 1700; DB 6; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 Db 1 MLESESSFLKGVMLG51FICALITMGLHIRIGHNRMHHHHHLOAPNKEDILKISEDER 60
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 Db 181 VGMEGGIIVLSVSESMKRNLNSLLNIPSKCPREGGMIWKISEDKQLAVCLKYAGVFAAEDA 240
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 Db 241 DGKDVPNTKSVGVLISKEAMTHPNQVVEGCCSDMAVTFNGLTTPNQMVHMMYGVIRLAPG 300
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 Qy 301 HIFNDALVFLPPNGSDND 318
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 Db 301 HIFNDALVFLPPNGSDND 318

RESULT 9
 ABU81056
 ID ABU81056 standard; protein; 318 AA.
 XX

AC ABU81056;
 XX
 DT 23-JUN-2003 (first entry)
 XX
 DS Human PRO polypeptide #187.
 XX
 KW Human; PRO polypeptide; secreted and transmembrane protein;
 KW anti-PRO antibody; diagnostic assay; gene expression; diabetes;
 KW bone disorder; cartilage disorder; rheumatoid arthritis; obesity;
 KW sports injury; osteoarthritis; hyper-insulinaemia; hypo-insulinaemia;
 KW hearing loss; coagulation disorder; stroke; heart attack; cardiac;
 KW antidiabetic; anorectic; vulgery; antiarthritic; osteopathic;
 KW antirheumatic; auditory; cerebroprotective; angiogenic.
 XX
 OS Homo sapiens.
 XX
 PN US2003004311-A1.
 XX
 PD 02-JAN-2003.
 XX
 PF 19-DEC-2001; 2001US-00028072.
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 PR 18-JUN-1997; 97US-0049911P.
 PR 26-AUG-1997; 97US-0056974P.
 PR 17-SEP-1997; 97US-0059113P.
 PR 17-SEP-1997; 97US-0059115P.
 PR 17-SEP-1997; 97US-0059117P.
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 PR 18-SEP-1997; 97US-0059263P.
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 PR 19-SEP-1997; 97US-0059588P.
 PR 24-SEP-1997; 97US-0059836P.
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 PR 03-NOV-1997; 97US-0064248P.
 PR 07-NOV-1997; 97US-0064809P.
 PR 12-NOV-1997; 97US-0065186P.
 PR 17-NOV-1997; 97US-0065846P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 24-NOV-1997; 97US-0066453P.
 PR 24-NOV-1997; 97US-0066511P.

PR 24-NOV-1997; 97US-0066770P.
 PR 11-DEC-1997; 97US-0069212P.
 PR 11-DEC-1997; 97US-0069278P.
 PR 11-DEC-1997; 97US-0069334P.
 PR 16-DEC-1997; 97US-0069649P.
 PR 23-JAN-1998; 98US-0072320P.
 PR 04-FEB-1998; 98US-0073612P.
 PR 09-FEB-1998; 98US-0074086P.
 PR 09-FEB-1998; 98US-0074092P.
 PR 12-MAR-1998; 98US-0077791P.
 PR 20-MAR-1998; 98US-0078910P.
 PR 25-MAR-1998; 98US-0079294P.
 PR 27-MAR-1998; 98US-0079663P.
 PR 27-MAR-1998; 98US-0079728P.
 PR 31-MAR-1998; 98US-0080165P.
 PR 12-JUN-1998; 98WO-US012456.
 PR 14-JUL-1998; 98WO-US014552.
 PR 28-AUG-1998; 98WO-US017888.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019093.
 PR 14-SEP-1998; 98WO-US019094.
 PR 14-SEP-1998; 98WO-US019177.
 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019437.
 PR 07-OCT-1998; 98WO-US021141.
 PR 29-OCT-1998; 98WO-US022991.
 PR 29-OCT-1998; 98WO-US022992.
 PR 20-NOV-1998; 98WO-US024855.
 PR 01-DEC-1998; 98WO-US025108.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 30-NOV-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.

PR 11-FEB-2000; 2000W-0US003565.
 PR 16-FEB-2000; 2000W-0US004341.
 PR 16-FEB-2000; 2000W-0US004342.
 PR 22-FEB-2000; 2000W-0US004414.
 PR 24-FEB-2000; 2000W-0US004914.
 PR 24-FEB-2000; 2000W-0US005004.
 PR 01-MAR-2000; 2000W-0US005601.
 PR 02-MAR-2000; 2000W-0US005746.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2003-352836/33.
 DR N-PSDB; ACA67180.
 XX
 PT New isolated PRO polypeptide useful for treating diabetes, rheumatoid
 arthritis, sports injuries, obesity, hearing loss in mammals, stroke, or
 heart attack.
 XX
 PS Claim 12; Fig 374; 643pp; English.
 XX
 CC The present invention relates to the isolation of novel human PRO
 polypeptides, and the polynucleotide sequences encoding them. The PRO
 polypeptides are secreted and transmembrane proteins. The PRO
 polypeptides and polynucleotides are useful for preparing a medicament
 useful in the treatment of diabetes, bone and/or cartilage disorders
 (e.g. rheumatoid arthritis, sports injuries, osteoarthritis), obesity,
 hyper- or hypo-insulinaemia, hearing loss, and coagulation disorders
 (e.g. stroke, heart attack). Anti-PRO antibodies are useful in diagnostic
 assays for PRO, by detecting its expression in specific cells, tissues or
 serum, and for affinity purification of PRO from recombinant cell culture
 or natural sources. ABU80870-ABU8114 represent the human PRO
 polypeptides of the invention. Note: The sequence data for this patent
 was obtained in electronic format directly from the USPTO web site at
 seqdata.uspto.gov/paipsaDIEDentry.html
 XX
 SQ Sequence 318 AA;
 Query Match 100.0%; Score 1700; DB 6; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 DB 121 MMRKAYKAYFDKYRDOYNMFFLARPITFAIENLYKFLKKDPSQQPFYLIGHTIKSGDLEY 180

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PR 28-OCT-1997; 97US-0063542P.
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 PR 28-OCT-1997; 97US-0063549P.
 PR 28-OCT-1997; 97US-0063550P.
 PR 28-OCT-1997; 97US-0063564P.
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 PR 29-OCT-1997; 97US-0063704P.
 PR 29-OCT-1997; 97US-0063732P.
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 PR 29-OCT-1997; 97US-0063735P.
 PR 29-OCT-1997; 97US-0063738P.
 PR 29-OCT-1997; 97US-0064215P.
 PR 31-OCT-1997; 97US-0063870P.
 PR 31-OCT-1997; 97US-0064103P.
 PR 03-NOV-1997; 97US-0064248P.
 PR 07-NOV-1997; 97US-0064809P.
 PR 12-NOV-1997; 97US-0065186P.
 PR 17-NOV-1997; 97US-00655846P.
 PR 18-NOV-1997; 97US-00656939P.
 PR 21-NOV-1997; 97US-0066120P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 24-NOV-1997; 97US-0066453P.
 PR 24-NOV-1997; 97US-0066466P.
 PR 24-NOV-1997; 97US-0066511P.
 PR 24-NOV-1997; 97US-0066770P.
 PR 24-NOV-1997; 97US-0066772P.
 PR 10-SEP-1998; 98W0-US018824.
 PR 14-SEP-1998; 98W0-US019177.
 PR 16-SEP-1998; 98W0-US019330.
 PR 17-SEP-1998; 98W0-US019437.
 PR 01-DEC-1998; 98W0-US025108.
 PR 08-SEP-1999; 99W0-US020594.
 PR 13-SEP-1999; 99W0-US020944.
 PR 15-SEP-1999; 99W0-US021090.
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 PR 01-DEC-1999; 99W0-US028301.
 PR 02-DEC-1999; 99W0-US028564.
 PR 02-DEC-1999; 99W0-US028565.
 PR 16-DEC-1999; 99W0-US030095.
 PR 20-DEC-1999; 99W0-US030911.
 PR 20-DEC-1999; 99W0-US030999.
 PR 05-JAN-2000; 2000W-0US000219.
 PR 11-FEB-2000; 2000W-0US03565.
 PR 22-FEB-2000; 2000W-0US04414.
 PR 24-FEB-2000; 2000W-0US05004.
 PR 02-MAR-2000; 2000W-0US05841.
 PR 20-MAR-2000; 2000W-0US07377.
 PR 30-MAR-2000; 2000W-0US08439.
 PR 22-MAY-2000; 2000W-0US014042.
 PR 02-JUN-2000; 2000W-0US015264.
 PR 28-JUL-2000; 2000W-0US020710.
 PR 24-AUG-2000; 2000W-0US023328.
 PR 18-SEP-2000; 2000US-00665328.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Ashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N;
 PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;
 PI Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ;
 PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;
 PI Williams PM, Wood WI;
 XX
 DR WPI; 2003-329602/31.
 DR N-PSDB; ACA60281.
 XX
 PT New transmembrane polypeptides and nucleic acids encoding the
 polypeptides, useful in gene therapy, in chromosome identification, as
 chromosome markers, in generating probes and in tissue typing.
 XX
 PS Claim 12; Fig 120; 484pp; English.
 XX
 CC The invention relates to an isolated nucleic acid with at least 80%
 nucleic acid sequence identity to a nucleotide sequence encoding one of
 61 secreted/transmembrane polypeptides, or PRO polypeptides or encoding a
 PRO protein extracellular domain. Also included are a vector comprising
 the PRO nucleic acid, a host cell comprising the vector, producing a PRO
 polypeptide (by culturing the host cell for the expression of the PRO
 polypeptide, and recovering the PRO polypeptide from the cell culture),
 an isolated PRO polypeptide (having at least 80% sequence identity to:
 (a) an amino acid sequence selected from the 61 PRO proteins; (b) an amino
 acid sequence encoded by a nucleic acid molecule deposited with an ATCC
 number (detailed in the specification); or (c) an extracellular domain of
 a PRO polypeptide or to a PRO polypeptide lacking its associated signal
 peptide), a chimeric molecule comprising a PRO polypeptide fused to a
 heterologous amino acid sequence, an anti-PRO antibody, detecting a
 PRO245 or PRO1868 in a sample suspected of containing the polypeptide,
 linking a bioactive molecule to a cell expressing a PRO245 or PRO1868 and
 modulating at least one biological activity of a cell expressing a PRO245
 or PRO1868. Nucleic acids which encode PRO can be used to generate either
 transgenic animals or knock-out animals which may be used in the
 development and screening of therapeutically useful reagents. The nucleic
 acids may also be used in gene therapy, in chromosome identification, as
 chromosome markers, or in generating probes. The PRO polypeptides are
 useful as molecular markers for protein electrophoresis, and the isolated
 nucleic acids may be used for recombinantly expressing those markers. The
 PRO polypeptides and nucleic acids may also be used in tissue typing.
 Anti-PRO antibodies are useful in diagnostic assays for PRO, and in
 affinity purification of PRO from recombinant cell culture or natural
 sources. The present sequence represents a PRO protein
 XX
 SQ Sequence 318 AA;
 Query Match 100.0%; Score 1700; DB 6; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 PR 1 MLSESSSPFLKGVNLGSIFCALITMLGHIRIGHGNRMHHHEHHHLQAPNKEDILKISEDER 60
 DB 1 MLSESSSPFLKGVNLGSIFCALITMLGHIRIGHGNRMHHHEHHHLQAPNKEDILKISEDER 60
 QY 61 MELSKSFPRVYCIIVLVKPDKVSLMAAVKETWTKHCDKAEPFSSENVKVFESENINMDTNMWL 120

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: April 7, 2006, 06:50:29 ; Search time 5115 Seconds
(without alignments)
10635.226 Million cell updates/sec

Title: US-10-661-049-2
Perfect score: 957
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 8
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : GenEmbl:
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2: gb_in:
3: gb_env:
4: gb_om:
5: gb_ov:
6: gb_pat:
7: gb_ph:
8: gb_pr:
9: gb_ro:
10: gb_sts:
11: gb_sy:
12: gb_un:
13: gb_vl:
14: gb_hgt:
15: gb_pl:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	957	100.0	1404	8	BC050441		BC050441 Homo sapi	

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5	957	100.0	1492	8	AY159319	AY159319 Homo sapi	
6	957	100.0	1572	6	BD075648	BD075648 Secretary	
7	957	100.0	1572	6	BD172508	BD172508 Secreted	
8	957	100.0	1572	6	BD172827	BD172827 Secreted	
9	957	100.0	1572	6	BD173146	BD173146 Secreted	
10	957	100.0	1572	6	BD173465	BD173465 Secreted	
11	957	100.0	1572	6	BD175499	BD175499 Secretary	
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13	957	100.0	1572	6	AR439243	AR439243 Sequence	
14	957	100.0	1572	6	AR473263	AR473263 Sequence	
15	957	100.0	1572	6	AR527249	AR527249 Sequence	
16	957	100.0	1572	6	AR566282	AR566282 Sequence	
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21	957	100.0	1572	6	AR635996	AR635996 Sequence	
22	957	100.0	1572	6	AR650725	AR650725 Sequence	
23	957	100.0	1572	6	AR657666	AR657666 Sequence	
24	957	100.0	1572	6	AX464240	AX464240 Sequence	
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35	822	85.9	1114	6	AX256062	AX256062 Sequence	
36	803.8	84.0	951	9	AB091728	AB091728 Mus muscu	
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c	40	803.8	84.0	179289	9	AL590633	AL590633 Mouse DNA
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42	799	83.5	240800	14	AC095964	AC095964 Rattus no	
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44	617.8	64.6	108867	9	AC122012	AC122012 Mus muscu	
45	602.2	62.9	261323	14	AC131849	AC131849 Rattus no	

ALIGNMENTS

RESULT	1	BC011930	1192 bp	mRNA	linear	PRI	08-MAR-2005
DEFINITION		Homo sapiens CIGALT1-specific chaperone 1, transcript variant 2, mRNA (cDNA clone MGC:19947 IMAGE:3355639), complete cds.					
ACCESSION		BC011930					
VERSION		BC011930.2	GI:33989208				
KEYWORDS		MGC.					
SOURCE		Homo sapiens (human)					

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrates; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1192)
AUTHORS Straubberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, Wagner L, Shemesh CM, Schuler GD, Altchul SF, Zeeberg B, Buetow KH, Schaefer CF, Bhat NK, Hopkins RF, Jordan H, Moore T, Max SI, Wang J, Heiwe F, Diatchenko L, Marusina K, Farmer AA, Rubin GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL, Scheetz TE, Brownstein MJ, Uedin TB, Toshiyuki S, Carninci P, Prange C, Raher SS, Loqueland NA, Peters CJ, Abramson RD, Mullahy SJ, Bosak SA, McEwan PJ, McKernan KJ, Malek JA, Gunaratne PH, Richards S, Worley KC, Hale S, Garcia AM, Gay LJ, Hulyk SW, Villalon DK, Muñoz DM, Sodergren EJ, Lu X, Gibbs RA, Fahey J, Helton E, Kettemann M, Madan A, Rodrigues S, Sanchez A, Whiting M, Madan A, Young AC, Shevchenko Y, Bouffard GG, Blakesley RW, Touchman JW, Green ED, Dickson MC, Rodriguez AC, Grimwood J, Schmutz J, Myers RM, Butterfield VS, Krzywinski MI, Skalska U, Smialow DE, Schnerch A, Schein JE, Jones SJ and Marra MA.
CONSRTH Mammalian Gene Collection Program Team
TITLE Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
PUBMED 12477932
REFERENCE 2 (bases 1 to 1192)
AUTHORS Director MGC Project.
TITLE Direct Submission
JOURNAL Submitted (30-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
REMARK NIH-MGC Project URL: http://mgc.nci.nih.gov
COMMENT On Aug 20, 2003 this sequence version replaced gi:15080349.
Contact: MGC help desk
Email: cgabps-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: National Institutes of Health Intramural Sequencing Center (NISC), Gaithersburg, Maryland;
Web site: http://www.nisc.nih.gov/
Contact: nisc_mgc@nigri.nih.gov
Akhter, N., Aylee, K., Beckstrom-Sternberg, S.M., Benjamin, B., Blakesley, R.W., Bouffard, G.G., Breen, K., Brinkley, C., Brooks, S., Dietrich, N.L., Granite, S., Guan, X., Gupta, J., Haighihi, P., Hansen, N., Ho, S.-L., Karlins, E., Kwong, P., Leric, P., Legaspi, R., Maduro, O.L., Masiello, C., Maekeri, B., Mastrian, S.D., McCloskey, J.C., McDowell, J., Pearson, R., Stantripop, S., Thomas, P.J., Touchman, J.W., Tsugeon, C., Vogt, J.L., Walker, M.A., Wetherby, K.D., Wiggins, L., Young, A., Zhang, L.-H. and Green, E.D.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Series: IRAL Plate: 28 Row: b Column: 21
This clone was selected for full length sequencing because it

FEATURES passed the following selection criteria: matched mRNA gi: 31542248.
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ORIGIN
Query Match 100.0%; Score 957; DB 8; Length 1192;
Best Local Similarity 100.0%; Pred. No. 3.6e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Y 1 ATGCCTTTCTGAAGCAGCTCCCTTTGAGGTGTGATGCTTGAGCATTTCTGTGCT 60
Db 59 ATGCCTTTCTGAAGCAGCTCCCTTTGAGGTGTGATGCTTGAGCATTTCTGTGCT 118
Y 61 TTGATCATCTAGCTAGGACATATTAGGATTTGCTCATGAAATAGAAATGCAACCATGAG 120
Db 119 TTGATCATCTAGCTAGGACATATTAGGATTTGCTCATGAAATAGAAATGCAACCATGAG 178
Y 121 CATCATCACCTACAGCTCTAACAAAGAAGATACTTGTGAAAATTTCAAGGGATGAGCGC 180
Db 179 CATCATCACCTACAGCTCTAACAAAGAAGATACTTGTGAAAATTTCAAGGGATGAGCGC 238
Y 181 ATGGAGCTAGTAAGAGCTTCGAGTATGACTTATCTGCTGATGAAATCCAAACGAGATGTG 240
Db 239 ATGGAGCTAGTAAGAGCTTCGAGTATGACTTATCTGCTGATGAAATCCAAACGAGATGTG 298
Y 241 AGTCCTTGGCTGAGCTAACAGAGACTTGTGACCAAACACTGTGAGAGCAGAGTCCTIC 300
Db 299 AGTCCTTGGCTGAGCTAACAGAGACTTGTGACCAAACACTGTGAGAGCAGAGTCCTIC 358
Y 301 AGTCCTGAAATGTTAAAGCTGTTGAGTCATTAATATGGACACAATGACATGTTGGTTA 360
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Oy	421	TTCCTTGACCCCCAACATACGTTCTATCATTTGAAAGCTTAAGATTTTGTAAAAA	480
Db	479	TTCCTTGACCCCCAACATACGTTCTATCATTTGAAAGCTTAAGATTTTGTAAAAA	538
Oy	481	AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT	540
Db	539	AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAATCTGGAGACCTTGAATAT	598
Oy	541	GTGGGTATGGAAGGAGAATTGCTTAAAGTOTAGAATCAATGAAAAGACTTAAACGCCCT	600
Db	599	GTGGGTATGGAAGGAGAATTGCTTAAAGTOTAGAATCAATGAAAAGACTTAAACGCCCT	658
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Db	659	CTCATATCCGAAAAGTGCCTGAAAGGGGGATATTGGAAGATATCTGAAGAT	718
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Db	719	AAACAGCTAGCAGTTGGCTGAAATAATGCTGAGTATTGCAAGAAAATGAGAGATGCT	778
Oy	721	GATGAAAAGATGTATTAAACCAAATCTGTTGGCTTTCTTAAAGAGGCAATGACT	780
Db	779	GATGAAAAGATGTATTAAACCAAATCTGTTGGCTTTCTTAAAGAGGCAATGACT	838
Oy	781	TATCACCCCCAACAGTAGTAGAGGGCTGTGTTCTAGATACTGGCTTACTTTAAATGGA	840
Db	839	TATCACCCCCAACAGTAGTAGAGGGCTGTGTTCTAGATACTGGCTTACTTTAAATGGA	898
Oy	841	CTGACTCCAAAATCAGATGCACTGATGATGATGATGGGTATACCCCTTAAGGCATTTGGG	900
Db	899	CTGACTCCAAAATCAGATGCACTGATGATGATGATGGGTATACCCCTTAAGGCATTTGGG	958
Oy	901	CATATTCATGATGCTTGTGTTCTTACCTCCAAATGGTCTGACATGACTGA	957
Db	959	CATATTCATGATGCTTGTGTTCTTACCTCCAAATGGTCTGACATGACTGA	1015

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RESULT 2
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DEFINITION Homo sapiens C1GALT1-specific chaperone 1, transcript variant 2,
mRNA (cDNA clone MGC:54192 IMAGE:5724507), complete cds.
ACCESSION BC050441
VERSION BC050441.1 GI:29792192
KEYWORDS MGC;
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrates; Euteleostomi;
Mammalia; Eutheria; Charchontoglires; Primates; Catarrhini;
Hominoidea; Homo.
REFERENCE 1 (bases 1 to 1404)

```

AUTHORS	Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, Wagner L, Shmueli CM, Schuler GD, Altschul SF, Zeeberg B, Bustout KB, Schaefer CF, Hopkins RA, Jordan H, Moore T, Max SI, Wang J, Heish P, Diatchenko L, Marusina K, Farmer AA, Rubin GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL, Scheetz TE, Brownstein MJ, Uddin TB, Yoshiyuki S, Carnicelli P, Prange C, Raha SS, Loqueland NA, Peterz GJ, Abramson RD, Mullaly SD, Bosak SA, McEvans PJ, McKernan KJ, Malek JA, Gunaratne PH, Richards S, Worley KC, Hale S, Garcia AM, Gay LJ, Hulyk SW, Villalobos DK, Muzny DM, Sodergren EJ, Lu X, Gibbs RA, Fahay J, Holtzen E, Kettman M, Madan A, Rodriguez S, Sanchez A, Whiting M, Madan A, Young AC, Shevchenko Y, Bouffard GG, Blakesley RW, Touchman JW, Green ED, Dickson MC, Rodriguez AC, Grimwood J, Schmutz J, Myers RM, Butterfield YS, Krzywinski M, Skalska U, Smilis DE, Scherneck A, Schein JE, Jones SJ and Marrs MA.
CONTRSM	Mammalian Gene Collection Program Team
TITLE	Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
JOURNAL	Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
PUBLMED	12477932
REFERENCE	2 (bases 1 to 1404)
AUTHORS	Director MGC Project.
TITLE	Direct Submission
JOURNAL	Submitted (08-APR-2003) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
REMARK	NIH-MGC Project URL: http://mgc.nci.nih.gov
COMMENT	Contact: MGC help desk Email: cgbaps-r@mail.nih.gov Tissue Procurement: Invitrogen cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Sequencing Group at the Stanford Human Genome Center, Stanford University School of Medicine, Stanford, CA 94305 Web site: http://www.shgc.stanford.edu Contact: (Dickson, Mark) mcgdpax1.stanford.edu Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers, R. M.
FEATURES	Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Series: IRAK Plate: 98 Row: b Column: 13 This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 31542248.
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Best Local Similarity		100.0%; Pred. No. 3.4e-201;							
Matches		957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;							
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Oy	121	CATCATCACCTAACAGCTCTAACAAAGAAGATATCTTAAAGGAAATTCTGAGAGATGAGGCG	180						
Db	250	CATCATCACCTAACAGCTCTAACAAAGAAGATATCTTAAAGGAAATTCTGAGAGATGAGGCG	309						
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Db	490	ATGATGAGAAAAAGCTTACAATAACGCCCTTGTAAAGTAGAGGACCAATAGAACTGOTTC	549						
Oy	421	TTCCTTGAGGCCCACTACAGTTGCTATCATGAAACCTAAAGATTTTTGTIAAAA	480						
Db	550	TTCCTTGAGGCCCACTACAGTTGCTATCATGAAACCTAAAGATTTTTGTIAAAA	609						
Oy	481	ANGGATCCATCGACGCCCTTCTATCTAGGGCCACACTATAAAATCTGGAGACCTGAAAT	540						
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RESULT 3
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 complete cds.
CONCESSION AB084170
ERSION AB084170.1 GI:26017174
EWORDS .
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
EUKARYOTE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominidae; Homo.
REFERENCE 1
AUTHORS Kudo,T., Iwai,T., Kubota,T., Iwasaki,H., Takayama,Y., Hiruma,T.,
 Inaba,N., Zhang,Y., Gotoh,M., Togayachi,A. and Narimatsu,H.
TITLE Molecular Cloning and Characterization of a Novel
 UDP-Gal:GalNAcAld Peptide beta 1,3-Galactosyltransferase
 (C1Gal-T2), an Enzyme Synthesizing a Core 1 Structure of O-Glycan
JOURNAL J. Biol. Chem. 277 (49), 47724-47731 (2002)
PUBMED 12361956
REFERENCE 2 (bases 1 to 1471)
AUTHORS Kudo,T., Iwai,T., Iwasaki,H., Gotoh,M., Inaba,N., Hiruma,T.,
 Togayachi,A. and Narimatsu,H.
TITLE Direct Submission
JOURNAL Submitted (19-APR-2002) Takashi Kudo, National Institute of
 Advanced Industrial Science and Technology, Laboratory of Gene

Function Analysis, Institute of Molecular and Cell Biology;
 1-1-1 Umezono, Tsukuba, Ibaraki 305-8586, Japan
 (E-mail:kudo@imcb.jp; Tel:81-298-61-3197; Fax:81-298-61-3191)

FEATURES

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ORIGIN

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Query Match      100.0%; Score 957; DB 8; Length 1471;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 4

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LOCUS	CQ729548	1492 bp	DNA	linear	PAT 03-FEB-2004	
DEFINITION	Sequence 15482 from Patent WO02068579.					
ACCESSION	CQ729548					
VERSION	CQ729548.1	GI:42300896				
KEYWORDS						
SOURCE	Homo sapiens (human)					
ORGANISM	Homo sapiens					
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.						

REFERENCE 1

AUTHORS Venter,C.J., Adams,M.C., Li,P.W. and Myers,E.W.

TITLE Kits, such as nucleic acid arrays, comprising a majority of humanexome or transcripts, for detecting expression and other uses thereof

JOURNAL Patent: WO 02068579-A 15482 06-SEP-2002; PE Corporation (NY) (US)

FEATURES

- Location/Qualifiers**

RESULT 5

AY159319

LOCUS	AY159319	1492 bp	mRNA	linear	PRI 10-DEC-2002	
DEFINITION	Homo sapiens core 1 beta ₃ -galactosyltransferase-specific molecular chaperone (COSMC) mRNA, complete cds.					
ACCESSION	AY159319					
VERSION	AY159319.1	GI:26418105				
KEYWORDS						
SOURCE	Homo sapiens (human)					
ORGANISM	Homo sapiens					
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.						

REFERENCE 1 (bases 1 to 1492)

AUTHORS Ju,T. and Cummings,R.D.

TITLE A unique molecular chaperone Cosmc required for activity of the mammalian core 1 [beta]3-galactosyltransferase

JOURNAL Proc. Natl. Acad. Sci. U.S.A. (2002)

PUBMED 12464682

REFERENCE 2 (bases 1 to 1492)

AUTHORS Ju,T. and Cummings,R.D.

TITLE Direct Submission

JOURNAL Submitted (05-OCT-2002) Biochemistry & Molecular Biology, University of Oklahoma Health Sciences Center, 975 NE 10th Street, BRC 417, Oklahoma City, OK 73104, USA

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ORIGIN

Query Match          100.0%; Score 957; DB 8; Length 1492;
Best Local Similarity 100.0%; Pred. No. 3.4e+201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 ATGCTTTCTGAAGCAGCTCTTTTGAGGGTGATGCTTGGAAAGCATTTCTGTGTC 60
Db      257 ATGCTTTCTGAAGCAGCTCTTTTGAGGGTGATGCTTGGAAAGCATTTCTGTGTC 316
Qy      61 TTGATCACTATGCTGAGACCATTAAGGATTGGTCTAGGAAATAAGAACCAACCATGAG 120
Db      317 TTGATCACTATGCTGAGACCATTAAGGATTGGTCTAGGAAATAAGAACCAACCATGAG 376
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Qy      301 AGTTCTGAAAATGTTAAAGTGTGTTGGATCATTAAATATGCAACAAATGCACTGTGTTA 360
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DEFINITION	Secretory and transmembrane polypeptide and nucleic acid encoding the same.	PAT 27-AUG-2002	
ACCESSION	EDD075648		
VERSION	EDD075648.1	GI:22621251	
KEYWORDS	JP 2001516580-A/281.		
SOURCES	Homo sapiens (human)		
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REFERENCE	1 (bases 1 to 1572)		
AUTHORS	Wood,W.I., Gurney,A.L., Goddard,A., Penica,D., Chen,J. and Yuan,J.		
TITLE	Secretory and transmembrane polypeptide and nucleic acid encoding the same		
JOURNAL	Patent: JP 2001516580-A 281 02-OCT-2001;		
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 25-NOV-1997 US 60/066840
 PI WILLIAM I WOOD,AUSTIN L GURNEY,AUDLEY GODDARD,DIANE PENICA, PI
 JEAN CHEN,
 PI JEAN YUAN
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 PC C12N11/19,
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 PC C12N15/00,C12N5/00
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 encoding the same
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DEFINITION Secreted and transmembrane polypeptides and nucleic acid encoding
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ACCESSION BD172508
VERSION BD172508.1 GI:28413810
KEYWORDS JP_2002223786-A/281
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Theridia; Eutheria; Euarchoptoliria; Primates; Catarrhini.

REFERENCE Hominidae; Homo.
AUTHORS 1 (bases 1 to 1572)
 Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and
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TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
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JOURNAL Patent: JP 2002223786-A 281 13-AUG-2002;
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COMMENT OS Homo sapiens (human)
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 JIAN ZHENG,
 PI JEAN YUAN
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 encoding the same
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Matches 957; **Conservative** 0; **Mismatches** 0; **Indels** 0; **Gaps** 0;
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Oy 61 TTGATCACTATGCTAGGACACATTAGGTTGGTCATGGAATAGAATGCAACCATGAG 120
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DEFINITION Secreted and transmembrane polypeptides and nucleic acids encoding
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ACCESSION BD172827
VERSION BD172827.1 GI:28414131
KEYWORDS JP 2002238586-A/281.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Butheria; Euarchontoglires; Primates; Catarrhini;
 Hominidae; Homo.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and
 Yuan,J.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
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JOURNAL Patent: JP 2002238586-A 281 27-AUG-2002;
 GENENTECH INC
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 PI JEAN YUAN
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 DEFINITION Secreted and transmembrane polypeptides and nucleic acids encoding the same.
 ACCESSION BD173146
 VERSION BD173146.1 GI:28414455
 KEYWORDS JP 2002238587-A/281.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
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 REFERENCE 1 (bases 1 to 1572)
 AUTHORS Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and Yuan,J.
 TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
 JOURNAL Patent: JP 2002238587-A 281 27-AUG-2002;

COMMENT GENENTECH INC
 OS Homo sapiens (human)
 PN JP 2002238587-A/281
 PD 27-AUG-2002
 PF 18-DEC-2001 JP 2001385248
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 WILLIAM I WOOD, AUSTIN L GURNEY, AUDREY GODDARD, DIANE PENNICA, PI
 JIAN ZHENG,
 PI JEAN YUAN
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COMMENT GENENTECH INC
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 WILLIAM I WOOD, AUSTIN L GURNEY, AUDREY GODDARD, DIANE PENNICA, PI
 JIAN ZHENG,
 PI JEAN YUAN

PC C12N15/09, C07K14/435, C07K16/18, C07K19/00, C12N1/19, C12N1/21, PC
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 WILLIAM I WOOD, AUSTIN L GURNEY, AUDREY GODDARD, DIANE PENNICA, PI
 JIAN ZHENG,
 PI JEAN YUAN
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 A61P25/00,
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 encoding the same
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DEFINITION Sequence 340 from patent US 6635468.
ACCESSION AR410879
VERSION AR410879.1 GI:40162379
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Ashkenazi,A., Botstein,D., Desnoyers,L., Eaton,D.L., Ferrara,N., Filvaroff,E., Fong,S., Gao,W.-Q., Gerber,H., Gerritsen,M.E., Goddard,A., Godowski,P.J., Grimaldi,J.C., Gurney,A.L., Hillan,K.J., Kjavin,I.J., Mather,J.P., Pan,J., Paoni,N.F., Roy,M.A., Stewart,T.A., Tumas,D., Williams,P.M. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6635468-A 340 21-OCT-2003;
Genentech, Inc.; South San Francisco, CA
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Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DEFINITION Sequence 340 from patent US 6664376.
ACCESSION AR439243
VERSION AR439243.1 GI:42665092
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Ashkenazi,A., Botstein,D., Desnoyers,L., Eaton,D.L., Ferrara,N., Filvaroff,E., Fong,S., Gao,W.-Q., Gerber,H., Gerritsen,M.E., Goddard,A., Godowski,P.J., Grimaldi,J.C., Gurney,A.L., Hillan,K.J., Kjavin,I.J., Mather,J.P., Pan,J., Paoni,N.F., Roy,M.A., Stewart,T.A., Tumas,D., Williams,P.M. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6664376-A 340 16-DEC-2003;
Genentech, Inc.; South San Francisco, CA

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DEFINITION Sequence 340 from patent US 6686451.
ACCESSION AR473263
VERSION AR473263.1 GI:42708638
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Desnoyers,L., Goddard,A., Godowski,P.J., Gurney,A.L., Mather,J.P., Williams,P.M. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6686451-A 340 03-FEB-2004;
Genentech, Inc.; South San Francisco, CA
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 Qy 721 GATGGAAAAGATGTATTAACTACCAATCTGTTGGGCTTCTATTAAAGGCAATGACT 780
 Db 801 GATGGAAAAGATGTATTAACTACCAATCTGTTGGGCTTCTATTAAAGGCAATGACT 860
 Qy 781 TATCACCCCAACAGTAGTAAAGGCTGTGGCTCAGATATGGCTTACTTTAAATGGA 840
 Db 861 TATCACCCCAACAGTAGTAAAGGCTGTGGCTCAGATATGGCTTACTTTAAATGGA 920
 Qy 841 CTGACTCCAAATCAGATGCTGATGATGATGGGTTATACGCCCTTGGGATTTGG 900
 Db 921 CTGACTCCAAATCAGATGCTGATGATGATGGGTTATACGCCCTTGGGATTTGG 980
 Qy 901 CATATTTCAATGATGCTGGTTCTTACTCCAAATGGTCTGACAATGACTG 957
 Db 981 CATATTTCAATGATGCTGGTTCTTACTCCAAATGGTCTGACAATGACTG 1037

RESULT 15
 AR527249
 LOCUS AR527249 1572 bp DNA linear PAT 08-OCT-2004
 DEFINITION Sequence 340 from patent US 6723535.

ACCESSION AR527249.1 GI:53914166
 VERSION AR527249.1 GI:53914166
 KEYWORDS .
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 1572)
 AUTHORS Deinooyers,L., Goddard,A., Godowski,P.J., Gurney,A.L. and Wood,W.I.
 TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
 JOURNAL Patent: US 6723535-A 340 20-APR-2004;
 Genentech, Inc.; South San Francisco, CA
 FEATURES Location/Qualifiers
 source 1..1572
 /organism="unknown"
 /mol_type="genomic DNA"
 ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
 Local Similarity 100.0%; Pred. No. 3.4e-201;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTCTGAAAGCAGCTCCCTTGAAGGGTGTGATGCTTGGAAAGCATTTCTGCT 60
 Db 81 ATGCTTCTGAAAGCAGCTCCCTTGAAGGGTGTGATGCTTGGAAAGCATTTCTGCT 140
 Qy 61 TTGATCCTATGCTAGGACACATTAGATGGTCTATGAAATAGAAATGCAACACCATGAG 120
 Db 141 TTGATCCTATGCTAGGACACATTAGATGGTCTATGAAATAGAAATGCAACACCATGAG 200
 Qy 121 CATCATCACCTACAAAGCTCTAACAAAGAAGATATCTGAAAATTTCAGAGGATGAGCGC 180
 Db 201 CATCATCACCTACAAAGCTCTAACAAAGAAGATATCTGAAAATTTCAGAGGATGAGCGC 260
 Qy 181 ATGGAGCTAGTAAGAGCTTGGAGTATACTGTATTATCCTGTAAAACCAAAAGATGTG 240
 Db 261 ATGGAGCTAGTAAGAGCTTGGAGTATACTGTATTATCCTGTAAAACCAAAAGATGTG 320
 Qy 241 AGCTTCTGGCTCAGTAAAGGAGACTTGGACAAACACTGTGACAAGCAGATCTTC 300
 Db 321 AGCTTCTGGCTCAGTAAAGGAGACTTGGACAAACACTGTGACAAGCAGATCTTC 380
 Qy 301 AGCTCTGAAAATGTTAAAGTGTGAGTCATAATATGGACACAAATGACATGGTTA 360
 Db 381 AGCTCTGAAAATGTTAAAGTGTGAGTCATAATATGGACACAAATGACATGGTTA 440
 Qy 361 ATGATGAAAAGCTTACAAATACGCCCTTGTAGTATAAGACCAATACACTGGTTC 420
 Db 441 ATGATGAAAAGCTTACAAATACGCCCTTGTAGTATAAGACCAATACACTGGTTC 500
 Qy 421 TTCCCTGACGCCCTTCACTAGCTTGTAGTATAAGTAACTGGCTTAA 480
 Db 501 TTCCCTGACGCCCTTCACTAGCTTGTAGTATAAGTAACTGGCTTAA 560

Qy 481 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
 Db 561 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
 Qy 541 GTGGGTATGGAGGGAAATTGCTTAAAGTGTAGATCAATGAAAAGACTTAAAGCCTT 600
 Db 621 GTGGGTATGGAGGGAAATTGCTTAAAGTGTAGATCAATGAAAAGACTTAAAGCCTT 680
 Qy 601 CTCAATATCCCGAAAAGTGTCTGAGCAGGGAGGTATTGGAGATATCTGAAAGT 660
 Db 681 CTCAATATCCCGAAAAGTGTCTGAGCAGGGAGGTATTGGAGATATCTGAAAGT 740
 Qy 661 AACAGCTAGCAGTTGCCTGAAAATATGCTGGAGTATTGAGAAAATGAGATGCT 720
 Db 741 AACAGCTAGCAGTTGCCTGAAAATATGCTGGAGTATTGAGAAAATGAGATGCT 800
 Qy 721 GATGGAAAAGATGTATTAACTACCAATCTGTTGGGCTTCTATTAAAGGCAATGACT 780
 Db 801 GATGGAAAAGATGTATTAACTACCAATCTGTTGGGCTTCTATTAAAGGCAATGACT 860
 Qy 781 TATCACCCCAACAGTAGTAAAGGCTGTGGCTCAGATATGGCTTACTTTAAATGGA 840
 Db 861 TATCACCCCAACAGTAGTAAAGGCTGTGGCTCAGATATGGCTTACTTTAAATGGA 920
 Qy 841 CTGACTCCAAATCAGATGCTGATGATGATGGGTTATACGCCCTTGGGATTTGG 900
 Db 921 CTGACTCCAAATCAGATGCTGATGATGATGGGTTATACGCCCTTGGGATTTGG 980
 Qy 901 CATATTTCAATGATGCTGGTTCTTACTCCAAATGGTCTGACAATGACTG 957
 Db 981 CATATTTCAATGATGCTGGTTCTTACTCCAAATGGTCTGACAATGACTG 1037

RESULT 16
 AR566282
 LOCUS AR566282 1572 bp DNA linear PAT 08-OCT-2004
 DEFINITION Sequence 340 from patent US 6767995.

ACCESSION AR566282
 VERSION AR566282.1 GI:53903192
 KEYWORDS .
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 1572)
 AUTHORS Deinooyers,L., Goddard,A., Godowski,P.J., Gurney,A.L. and Wood,W.I.
 TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
 JOURNAL Patent: US 6767995-A 340 27-JUL-2004;
 Genentech, Inc.; South San Francisco, CA
 FEATURES Location/Qualifiers
 source 1..1572
 /organism="unknown"
 /mol_type="genomic DNA"
 ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;

Best Local Similarity 100.0%; Pred. No. 3.4e-201;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTCTGAAAGCAGCTCCCTTGAAGGGTGTGATGCTTGGAAAGCATTTCTGCT 60
 Db 81 ATGCTTCTGAAAGCAGCTCCCTTGAAGGGTGTGATGCTTGGAAAGCATTTCTGCT 140
 Qy 61 TTGATCCTATGCTAGGACACATTAGATGGTCTATGAAATAGAAATGCAACACCATGAG 120
 Db 141 TTGATCCTATGCTAGGACACATTAGATGGTCTATGAAATAGAAATGCAACACCATGAG 200
 Qy 121 CATCATCACCTACAAAGCTCTAACAAAGAAGATATCTGAAAATTTCAGAGGATGAGCGC 180
 Db 201 CATCATCACCTACAAAGCTCTAACAAAGAAGATATCTGAAAATTTCAGAGGATGAGCGC 260
 Qy 181 ATGGAGCTAGTAAGAGCTTGGAGTATACTGTATTATCCTGTAAAACCAAAAGATGTG 240
 Db 261 ATGGAGCTAGTAAGAGCTTGGAGTATACTGTATTATCCTGTAAAACCAAAAGATGTG 320
 Qy 241 AGCTTCTGGCTCAGTAAAGGAGACTTGGACAAACACTGTGACAAGCAGATCTTC 300
 Db 321 AGCTTCTGGCTCAGTAAAGGAGACTTGGACAAACACTGTGACAAGCAGATCTTC 380
 Qy 301 AGCTCTGAAAATGTTAAAGTGTGAGTCATAATATGGACACAAATGACATGGTTA 360
 Db 381 AGCTCTGAAAATGTTAAAGTGTGAGTCATAATATGGACACAAATGACATGGTTA 440
 Qy 361 ATGATGAAAAGCTTACAAATACGCCCTTGTAGTATAAGACCAATACACTGGTTC 420
 Db 441 ATGATGAAAAGCTTACAAATACGCCCTTGTAGTATAAGACCAATACACTGGTTC 500
 Qy 421 TTCCCTGACGCCCTTCACTAGCTTGTAGTATAAGTAACTGGCTTAA 480
 Db 501 TTCCCTGACGCCCTTCACTAGCTTGTAGTATAAGTAACTGGCTTAA 560

Qy 481 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
 Db 561 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
 Qy 541 GTGGGTATGGAGGGAAATTGCTTAAAGTGTAGATCAATGAAAAGACTTAAAGCCTT 600
 Db 621 GTGGGTATGGAGGGAAATTGCTTAAAGTGTAGATCAATGAAAAGACTTAAAGCCTT 680
 Qy 601 CTCAATATCCCGAAAAGTGTCTGAGCAGGGAGGTATTGGAGATATCTGAAAGT 660
 Db 681 CTCAATATCCCGAAAAGTGTCTGAGCAGGGAGGTATTGGAGATATCTGAAAGT 740
 Qy 661 AACAGCTAGCAGTTGCCTGAAAATATGCTGGAGTATTGAGAAAATGAGATGCT 720
 Db 741 AACAGCTAGCAGTTGCCTGAAAATATGCTGGAGTATTGAGAAAATGAGATGCT 800
 Qy 721 GATGGAAAAGATGTATTAACTACCAATCTGTTGGGCTTCTATTAAAGGCAATGACT 780
 Db 801 GATGGAAAAGATGTATTAACTACCAATCTGTTGGGCTTCTATTAAAGGCAATGACT 860
 Qy 781 TATCACCCCAACAGTAGTAAAGGCTGTGGCTCAGATATGGCTTACTTTAAATGGA 840

Db	861	TATCACCCCAACCGAGTAGTAGAAGGCTGTGTTCAGATATGGCTGTACTTTAAATGGA	920
Oy	841	CTGACTCCAAATCAGATGCATGTGATGAGTATGGGGTATAACGCCCTTAAGGCATTGCG	900
Db	921	CTGACTCCAAATCAGATGCATGTGATGAGTATGGGGTATAACGCCCTTAAGGCATTGCG	980
Oy	901	CATATTTCAATGATGATGATGGTTTCCTAACCTCCAAATGGTTCTGAAATGACTGA	957
Db	981	CATATTTCAATGATGATGATGGTTTCCTAACCTCCAAATGGTTCTGAAATGACTGA	1037

Oy	301	AGTTCTGAAAATGTAAAGTGTCTTGAATCAATTAAATATGCACAAATGACATGGTTA	360
Db	381	AGTTCTGAAAATGTAAAGTGTCTTGAATCAATTAAATATGCACAAATGACATGGTTA	440
Oy	361	ATGATGAGAAAAGCTTACAAATACCGCTTGTAAAGTATAGAGACCAATAACACTGGTT	420
Db	441	ATGATGAGAAAAGCTTACAAATACCGCTTGTAAAGTATAGAGACCAATAACACTGGTT	500
Oy	421	TTCCCTTGACGCCCACTACAGTTGTCTATCTGAAACCTAAAGTTTTTGTTAAAAA	480
Db	501	TTCCCTTGACGCCCACTACAGTTGTCTATCTGAAACCTAAAGTTTTTGTTAAAAA	560
Oy	481	AAGGATCCATCACAGGCCCTCTATCTAGGCCACACTATAAAATCTGGAGACCTGGATAT	540
Db	561	AAGGATCCATCACAGGCCCTCTATCTAGGCCACACTATAAAATCTGGAGACCTGGATAT	620
Oy	541	GTTGGGTATGGAAGGAGAAATGTCCTTAAGTGTAGAAATCAATGAAAAGACTTACAGCCTT	600
Db	621	GTTGGGTATGGAAGGAGAAATGTCCTTAAGTGTAGAAATCAATGAAAAGACTTACAGCCTT	680
Oy	601	CTCAATATCCCAGAAAAGGTGTCTGACAGGGAGGGATGATTTGGAGAGATCTGGAGAT	660
Db	681	CTCAATATCCCAGAAAAGGTGTCTGACAGGGAGGGATGATTTGGAGAGATCTGGAGAT	740
Oy	661	AAACAGCTAGCAGTTTGCCIGAAAATATGCTGGAGTTTTCAGAAAATGCGAGAGATGCT	720
Db	741	AAACAGCTAGCAGTTGCCIGAAAATATGCTGGAGTTTTCAGAAAATGCGAGAGATGCT	800
Oy	721	GATGAAAAAGATGTATTTAAATCCAAAATCTGTGGGCTTTCTTATTTAAAGGGCAATGACT	780
Db	801	GATGAAAAAGATGTATTTAAATCCAAAATCTGTGGGCTTTCTTATTTAAAGGGCAATGACT	860
Oy	781	TATCACCCCAACCGGTAGTAGAAAGGCTGTGTTAGATATGGCTGTGTTACTTTTAATGG	840
Db	861	TATCACCCCAACCGGTAGTAGAAAGGCTGTGTTAGATATGGCTGTGTTACTTTTAATGG	920
Oy	841	CTGACTCCAAATCAGATGCGATGTGATGATGTTGGGCTATACCGGCTTACGGGCAATTGGG	900
Db	921	CTGACTCCAAATCAGATGCGATGTGATGATGTTGGGCTATACCGGCTTACGGGCAATTGGG	980
Oy	901	CATATTTCAATGATGCTATGGTTTCTTACCTCCAAATGGTTCTGACATGACTGA	957
Db	981	CATATTTCAATGATGCTATGGTTTCTTACCTCCAAATGGTTCTGACATGACTGA	1037

RESULT 18
AR604574
LOCUS AR604574 1572 bp DNA linear PAT 15-DEC-2004
DEFINITION Sequence 340 from patent US 6818449.
ACCESSION AR604574
VERSION AR604574.1 GI:56655589
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Fong,S., Goddard,A., Godowski,P.J., Gurney,A.L. and Wood,W.I.

TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
 the same
JOURNAL Patent: US 6818449-A 340 16-NOV-2004;
 Genentech, Inc.; South San Francisco, CA
FEATURES Location/Qualifiers
source 1 ..1572
 /organism="unknown"
 /mol_type="genomic DNA"
ORIGIN

 Query Match 100.0%; Score 957; DB 6; Length 1572;
 Best Local Similarity 100.0%; Pred. No. 3.4e-201;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCCTGAAAGCAGCTCCCTTTGGAAAGGTGTGATGCTGGAAAGCATTTCTGGCT 60
Db 81 ATGCTTTCCTGAAAGCAGCTCCCTTTGGAAAGGTGTGATGCTGGAAAGCATTTCTGGCT 140
Qy 61 TTGATCACTATGCTAGGACCATTAAGATTGTGATGCTGGAAAGCATTTCTGGCT 120
Db 141 TTGATCACTATGCTAGGACCATTTAGGATTGTGATGCTGGAAAGCATGCACCACTGAG 200

Oy 121 CATCATCCTCAAGCTCTAACAAAGAAGATACTTGAAAGATTTCGAAGAGATGAGGGC 180
Db 201 CATCATCCTCAAGCTCTAACAAAGAAGATACTTGAAAGATTTCGAAGAGATGAGGGC 260

Oy 181 ATGGAGCTCTAGTAAGAGCTTTCGAGTATACTGTTATTCCTTGAAAACCCAAAGATGTG 240
Db 261 ATGGAGCTCTAGTAAGAGCTTTCGAGTATACTGTTATTCCTTGAAAACCCAAAGATGTG 320

Oy 241 AGTCCTTGGGTCAGTAAAGGAGACTTGGACGCCAACACTGTGCAAAAGCAGAGTTCTTC 300
Db 321 AGTCCTTGGGTCAGTAAAGGAGACTTGGACGCCAACACTGTGCAAAAGCAGAGTTCTTC 380

Oy 301 ATGTCGAAAATGTTAAAGTGTGTTGGATCAATTAAATGGACACAAATGACATGTTGTTA 360
Db 381 ATGTCGAAAATGTTAAAGTGTGTTGGATCAATTAAATGGACACAAATGACATGTTGTTA 440

Oy 361 ATGATGAGAAAAGCTTACAAATAGGCCCTTGTAAAGTATAGAGACCAATACAACTGGTTC 420
Db 441 ATGATGAGAAAAGCTTACAAATAGGCCCTTGTAAAGTATAGAGACCAATACAACTGGTTC 500

Oy 421 TTCCCTGCAAGCCCCAACATGGTTGCTATCATGAAAACCTAAAGTATTTTTGTTAAAAA 480
Db 501 TTCCCTGCAAGCCCCAACATGGTTGCTATCATGAAAACCTAAAGTATTTTTGTTAAAAA 560

Oy 481 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGACCTTGAATAT 540
Db 561 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGACCTTGAATAT 620

Oy 541 GTGGGTATGAGGGAAATGTGCTTAAAGTGTGATCAATGAAAAGACTTACAGCCTT 600
Db 621 GTGGGTATGAGGGAAATGTGCTTAAAGTGTGATCAATGAAAAGACTTACAGCCTT 680

Oy 601 CTCAATATCCCGAAAAGTGTCTGCAAGGGAGGGATGATTGGAGATATCTGAAGAT 660
Db 681 CTCAATATCCCGAAAAGTGTCTGCAAGGGAGGGATGATTGGAGATATCTGAAGAT 740

Qy	661	AAACAGCTAGCATGTTGCCGTAAATATGCTGGAGTATTTCAGAAAAATGCAGAACATGCT	720
Db	741	AAACAGCTAGCATGTTGCCGTAAATATGCTGGAGTATTTCAGAAAAATGCAGAACATGCT	800
Qy	721	GATGGAAAAGATGTATTTAACCAAACTGTGGCCCTTCTATAAAGAGGCAATGACT	780
Db	801	GATGGAAAAGATGTATTTAACCAAACTGTGGCCCTTCTATAAAGAGGCAATGACT	860
Qy	781	TATCACCCCACCGAGTACTAGAACGGCTGTGTCAGATATGGCTGTACTTTAAATGGA	840
Db	861	TATCACCCCACCGAGTACTAGAACGGCTGTGTCAGATATGGCTGTACTTTAAATGGA	920
Qy	841	CTGACTCAAATCAGATGCTATGATGATGTTATGGGGTATACGCCCTTGGGCGATTGGG	900
Db	921	CTGACTCAAATCAGATGCTATGATGATGTTATGGGGTATACGCCCTTGGGCGATTGGG	980
Qy	901	CATATTTCAATGATCTACATGGTTTCTACCTCCAAATGGTTCTGCAACATGACTGA	957
Db	981	CATATTTCAATGATCTACATGGTTTCTACCTCCAAATGGTTCTGCAACATGACTGA	1000

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RESULT 19
AR605160
Locus AR605160           1572 bp    DNA   linear   PAT 15-DEC-2004
DEFINITION Sequence 340 from patent US 6818746.
ACCESSION AR605160
VERSION AR605160.1 GI:56656674
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
Unclassified.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Goddard,A., Godowski,P.J., Gurney,A.L., Desnoyers,L. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: US 6818746-A 340 16-NOV-2004;
Genentech, Inc.; South San Francisco, CA
FEATURES Location/Qualifiers
source      1..1572
            /organism="unknown"
            /mol_type="genomic DNA"

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Query Match	100.0%	Score 957;	DB 6;	Length 1572;
Best Local Similarity	100.0%	Score 957;	DB 6;	Length 1572;
Matches	957;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
Qy	1	ATGCTTTCTGAAAGCAGCTCTTTTGAAGGGTGATGCTGGAGCATTTCTGTGCT	60	
Db	81	ATGCTTTCTGAAAGCAGCTCCCTTTGAAGGGTGATGCTGGAGCATTTCTGTGCT	140	
Qy	61	TITGACTCATATGCTAGGACACATTAGGATTGGTCATGGAAATAGAATGCCACCATGAG	120	
Db	141	TITGACTCATATGCTAGGACACATTAGGATTGGTCATGGAAATAGAATGCCACCATGAG	200	
Qv	121	CATCATCACTTACAAGCTCTAACAAAGGATATCTTGGAAAATTCTGAGGATTAAGGCGC	180	

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Db 201 CATCATCACCTACAAGCTCCATACAAAGAGATATCTGAAAATTTCAGAGATGAGGC 260
Qy 181 ATGGAGCTCACTAAGGCTTCTGGATACTCTGTTTCTCTGAAACCCAAAGATGTG 240
Db 261 ATGGAGCTCACTAAGGCTTCTGGATACTCTGTTTCTCTGAAACCCAAAGATGTG 320
Qy 241 ACTCTTGGGCTCAGTAAAGGAGACTTGACCCAAACACTGACAAAGCAGAGTTCTC 300
Db 321 ACTCTTGGGCTCAGTAAAGGAGACTTGACCCAAACACTGACAAAGCAGAGTTCTC 380
Qy 301 AGCTCTGAAAATGTTAAAGTGTGAGCTAAATATGGACACRAATGACATGTTGTTA 360
Db 381 AGCTCTGAAAATGTTAAAGTGTGAGCTAAATATGGACACRAATGACATGTTGTTA 440
Qy 361 ATGATGAGAAAGCTTACGACATACGCCCTTGATAAGTATAGAGACCAATGACATGTTG 420
Db 441 ATGATGAGAAAGCTTACGACATACGCCCTTGATAAGTATAGAGACCAATGACATGTTG 500
Qy 421 TTCTTGACACCCCCACTACGTTGCTATCATGAAAACCTAAAGTATTTTGTAAAAA 480
Db 501 TTCTTGACACCCCCACTACGTTGCTATCATGAAAACCTAAAGTATTTTGTAAAAA 560
Qy 481 AAGGATCCATCACAGCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCACAGCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGGAAATTGCTTAAGTGTAGNATCAATGAAAAGACTAACAGCTT 600
Db 621 GTGGGTATGGAAGGGAAATTGCTTAAGTGTAGNATCAATGAAAAGACTAACAGCTT 680
Qy 601 CTCAATATCCCAGAAAAGTGTCTGAAAGGGGGATGATTGGAGATATCTGAAGAT 660
Db 681 CTCAATATCCCAGAAAAGTGTCTGAAAGGGGGATGATTGGAGATATCTGAAGAT 740
Qy 661 AAAAGCTAGCAGTTGCTGAAAATATGCTGGATTTTGAGAAAATGAGAGATGCT 720
Db 741 AAAAGCTAGCAGTTGCTGAAAATATGCTGGATTTTGAGAAAATGAGAGATGCT 800
Qy 721 GATGAAAAGTGTATTAACCAAATCTGTTGGGCTTCTATTAAGGAGCAATGACT 780
Db 801 GATGAAAAGTGTATTAACCAAATCTGTTGGGCTTCTATTAAGGAGCAATGACT 860
Qy 781 TATCACCCAAACAGGTAGTAGAGGCTTGTCTGAGATAGGTTTACTTTAAATGGA 840
Db 861 TATCACCCAAACAGGTAGTAGAGGCTTGTCTGAGATAGGTTTACTTTAAATGGA 920
Qy 841 CTGACTCCAACTCAGATGCTGATGATGATGTTGGGTTACCCCTTGGGATTGGG 900
Db 921 CTGACTCCAACTCAGATGCTGATGATGATGTTGGGTTACCCCTTGGGATTGGG 980
Qy 901 CATACTTCAATGATGCTGGTTCTTACTCTCCAAATGGGCTGACAATGACTGA 957
Db 981 CATACTTCAATGATGCTGGTTCTTACTCTCCAAATGGGCTGACAATGACTGA 1037

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RESULT 20

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AR613825
LOCUS AR613825 1572 bp DNA linear PAT 15-DEC-2004
DEFINITION Sequence 340 from patent US 6828146.
ACCESSION AR613825
VERSION AR613825.1 GI:56669867
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
UNCLASSIFIED Unclassified.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Dearyers,L., Goddard,A., Godowski,P.J., Gurney,A.L., Hillan,K.J. and Wood,W.I.
TITLE Nucleic acid encoding PRO239 polypeptides
JOURNAL Patent: US 6828146-A 340 07-DEC-2004; Genentech, Inc.; South San Francisco, CA; WOX;
FEATURES Location/Qualifiers
source 1..1572
/organism="unknown"
/mol_type="genomic DNA"
ORIGIN
Query Match 100.0%; Score 957; DB 6; Length 1572;
Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTTCTGAAAGCAGCTCCCTTGTGAGGTGTTGATGCTTGGAAAGCATTTCTGCT 60
Db 81 ATGCTTCTGAAAGCAGCTCCCTTGTGAGGTGTTGATGCTTGGAAAGCATTTCTGCT 140
Qy 61 TTGATCCTACTGCTAGGACACATTAGGATTTGGTCTAGTGAATAGAAATGACACCCATGAG 120
Db 141 TTGATCCTACTGCTAGGACACATTAGGATTTGGTCTAGTGAATAGAAATGACACCCATGAG 200
Qy 121 CATCATCACCTACAGCTCTAACAAAGAGATATCTGAAAATTTCAGAGGATGAGCGC 180
Db 201 CATCATCACCTACAGCTCTAACAAAGAGATATCTGAAAATTTCAGAGGATGAGCGC 260
Qy 181 ATGGAGCTCAGTAAGAGCTTCTGGAGTATAGCTTATCTGTTAAACCAAAAGATGTG 240
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Qy 361 ATGATGAGAAAGCTTACAAATAGCCTTGTAGTATAGAGACCAATACACTGTTG 420
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Db 501 TTCTTGACACCCCCACTACGTTGCTATCATGAAAACCTAAAGTATTTTGTAAAAA 560

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Qy 481 AAGGATCCATCACAGCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
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Qy 541 GTGGGTATGGAAGGGAAATTGCTTAAGTGTAGNATCAATGAAAAGACTAACAGCTT 600
Db 621 GTGGGTATGGAAGGGAAATTGCTTAAGTGTAGNATCAATGAAAAGACTAACAGCTT 680
Qy 601 CTCAATATCCCAGAAAAGTGTCTGAAAGGGGGATGATTGGAGATATCTGAAGAT 660
Db 681 CTCAATATCCCAGAAAAGTGTCTGAAAGGGGGATGATTGGAGATATCTGAAGAT 740
Qy 661 AAAAGCTAGCAGTTGCTGAAAATATGCTGGATTTTGAGAAAATGAGAGATGCT 720
Db 741 AAAAGCTAGCAGTTGCTGAAAATATGCTGGATTTTGAGAAAATGAGAGATGCT 800
Qy 721 GATGAAAAGTGTATTAACCAAATCTGTTGGGCTTCTATTAAGGAGCAATGACT 780
Db 801 GATGAAAAGTGTATTAACCAAATCTGTTGGGCTTCTATTAAGGAGCAATGACT 860
Qy 781 TATCACCCAAACAGGTAGTAGAGGCTTGTCTGAGATAGGTTTACTTTAAATGGA 840
Db 861 TATCACCCAAACAGGTAGTAGAGGCTTGTCTGAGATAGGTTTACTTTAAATGGA 920
Qy 841 CTGACTCCAACTCAGATGCTGATGATGATGTTGGGTTACCCCTTGGGATTGGG 900
Db 921 CTGACTCCAACTCAGATGCTGATGATGATGTTGGGTTACCCCTTGGGATTGGG 980
Qy 901 CATACTTCAATGATGCTGGTTCTTACTCTCCAAATGGGCTGACAATGACTGA 957
Db 981 CATACTTCAATGATGCTGGTTCTTACTCTCCAAATGGGCTGACAATGACTGA 1037

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RESULT 21
AR635996
LOCUS AR635996 1572 bp DNA linear PAT 14-FEB-2005
DEFINITION Sequence 340 from patent US 6852848.
ACCESSION AR635996
VERSION AR635996.1 GI:59795656
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
UNCLASSIFIED Unclassified.
REFERENCE 1 (bases 1 to 1572)
AUTHORS Goddard,A., Gurney,A.L. and Wood,W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same
JOURNAL Patent: US 6852848-A 340 08-FEB-2005; Genentech, Inc.; South San Francisco, CA
FEATURES Location/Qualifiers
source 1..1572
/organism="unknown"
/mol_type="genomic DNA"
ORIGIN
Query Match 100.0%; Score 957; DB 6; Length 1572;

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Best Local Similarity 100.0%; Pred. No. 3.4e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTTCTGAAAGCAGCTCCCTTGTGAGGTGTTGATGCTTGGAAAGCATTTCTGCT 60
Db 81 ATGCTTCTGAAAGCAGCTCCCTTGTGAGGTGTTGATGCTTGGAAAGCATTTCTGCT 140
Qy 61 TTGATCCTACTGCTAGGACACATTAGGATTTGGTCTAGTGAATAGAAATGACACCCATGAG 120
Db 141 TTGATCCTACTGCTAGGACACATTAGGATTTGGTCTAGTGAATAGAAATGACACCCATGAG 200
Qy 121 CATCATCACCTACAGCTCTAACAAAGAGATATCTGAAAATTTCAGAGGATGAGCGC 180
Db 201 CATCATCACCTACAGCTCTAACAAAGAGATATCTGAAAATTTCAGAGGATGAGCGC 260
Qy 181 ATGGAGCTCAGTAAGAGCTTCTGGAGTATAGCTTATCTGTTAAACCAAAAGATGTG 240
Db 261 ATGGAGCTCAGTAAGAGCTTCTGGAGTATAGCTTATCTGTTAAACCAAAAGATGTG 320
Qy 241 ATCTTGGGCTGAGTAAAGGAGACTTGGACCAAACACTGTGACAAAGCAGAGTTCTC 300
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Db 501 TTCTTGACACCCCCACTACGTTGCTATCATGAAAACCTAAAGTATTTTGTAAAAA 560
Qy 481 AAGGATCCATCACAGCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 540
Db 561 AAGGATCCATCACAGCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT 620
Qy 541 GTGGGTATGGAAGGGAAATTGCTTAAGTGTAGNATCAATGAAAAGACTAACAGCTT 600
Db 621 GTGGGTATGGAAGGGAAATTGCTTAAGTGTAGNATCAATGAAAAGACTAACAGCTT 680
Qy 601 CTCAATATCCCAGAAAAGTGTCTGAAAGGGGGATGATTGGAGATATCTGAAGAT 660
Db 681 CTCAATATCCCAGAAAAGTGTCTGAAAGGGGGATGATTGGAGATATCTGAAGAT 740
Qy 661 AAAAGCTAGCAGTTGCTGAAAATATGCTGGAGTATTGGAGAAAATGAGAGATGCT 720
Db 741 AAAAGCTAGCAGTTGCTGAAAATATGCTGGAGTATTGGAGAAAATGAGAGATGCT 800
Qy 721 GATGAAAAGATGTTAAATACCAAATCTGTTGGGCTTCTATTAAGGAGCAATGACT 780
Db 801 GATGAAAAGATGTTAAATACCAAATCTGTTGGGCTTCTATTAAGGAGCAATGACT 860
Qy 781 TATCACCCAAACAGGTAGTAGAGGCTTGTCTGAGATAGGTTTACTTTAAATGGA 920

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 Db 921 CTGACTCCAATCAGATGATGATGATGATGGGTATACGCCCTAGGGCATTTGG 980
 Qy 901 CATATTTCAATGATGATGATGATGATGGTTCACCTCCAAATGGTTCAGAACATGAG 957
 Db 981 CATATTTCAATGATGATGATGATGGTTCACCTCCAAATGGTTCAGAACATGAG 1037

RESULT 22
 AR650725
 LOCUS AR650725 1572 bp DNA linear PAT 20-APR-2005
 DEFINITION Sequence 340 from patent US 6878807.
 ACCESSION AR650725
 VERSION AR650725.1 GI:62794616
 KEYWORDS
 SOURCES Unknown.
 ORGANISM Unknown.
 Unclassified.
 REFERENCE 1 (bases 1 to 1572)
 AUTHORS Desnoyers,L., Goddard,A., Godowski,P.J., Gurney,A.L., Hillan,K.J.
 and Wood,W.I.
 TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
 the same
 JOURNAL Patent: US 6878807-A 340 12-APR-2005;
 Genentech, Inc.; South San Francisco, CA
 FEATURES Location/Qualifiers
 source 1..1572
 /organism="unknown"
 /mol_type="genomic DNA"
 ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
 Best Local Similarity 100.0%; Pred. No. 3.4e-201;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 Db 81 ATGCCTTCTGAAAGCAGCTCTTGTGAGGGTGTGATGCTTGGAAAGCATTTCTGTCT 140
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 Db 201 CATCATCACCTACAAGCTCTAACAAAGAAGATCTTGAAATTTCAGGGATGAGCGC 260
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 Db 261 ATGGAGCTCGAGTAAGACCTTGTGAGTATACTCTGTTATCTTGAAACCCAAAGATGTG 320
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 Db 381 AGTTCTGAAAATGTTAAAGTGTGTTAGTCATTAAATGGACAAATGACATGTTGTTA 440
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 Db 501 TTCTTCTGACGCCACTACGTTCTATCATGAAACCTAAAGTATTTTGTGTTAAA 560
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 Db 561 AAGGATCCATCACGCCCTCTATCAGGCAACTATACGCCCTTGTGATAGGAGACCAATACACTGTGTT 620
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 Qy 601 CTGAAATGCCAGAAAAGCTTGTGATAGGAGACCAATACACTGTGTT 660
 Db 681 CTGAAATGCCAGAAAAGCTTGTGATAGGAGACCAATACACTGTGTT 740
 Qy 661 AACAGCTAGCAGTTGGCTGAAATATGCTGAGTATTTGAGAAAATGAGAGATGCT 720
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 Qy 721 GATGAAANAGATGTTATTAACCAAACTGTGTTGGCTTCTTAAAGGCAATGACT 780
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 Qy 781 TATCACCACCAAGGTAGTAGAAGGCTGTTGTTAGATGCTGTTACTTTAAATGGA 840
 Db 861 TATCACCACCAAGGTAGTAGAAGGCTGTTGTTAGATGCTGTTACTTTAAATGGA 920
 Qy 841 CTGACTCCAATCAGATGATGATGATGATGCTTACGCCCTTGGGATTTGGG 900
 Db 921 CTGACTCCAATCAGATGATGATGATGCTTACGCCCTTGGGATTTGGG 980
 Qy 901 CATATTTCAATGATGATGATGTTCTTACCTCCAAATGGTTCAGAACATGAG 957
 Db 981 CATATTTCAATGATGATGATGATGTTCTTACCTCCAAATGGTTCAGAACATGAG 1037

RESULT 23
 AR657666
 LOCUS AR657666 1572 bp DNA linear PAT 13-JUN-2005
 DEFINITION Sequence 340 from patent US 6894148.
 ACCESSION AR657666
 VERSION AR657666.1 GI:67591108
 KEYWORDS
 SOURCES Unknown.
 ORGANISM Unknown.
 Unclassified.
 REFERENCE 1 (bases 1 to 1572)

AUTHORS Goddard,A., Godowski,P.J., Gurney,A.L., Wood,W.I. and Fong,S.
 TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
 the same
 JOURNAL Patent: US 6894148-A 340 17-MAY-2005;
 Genentech, Inc.; South San Francisco, CA
 FEATURES Location/Qualifiers
 source 1..1572
 /organism="unknown"
 /mol_type="genomic DNA"
 ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
 Best Local Similarity 100.0%; Pred. No. 3.4e-201;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ATGCTTCTGAAAGCAGCTCTTGTGAGGGTGTGATGCTTGGAAAGCATTTCTGTCT 60
 Db 81 ATGCTTCTGAAAGCAGCTCTTGTGAGGGTGTGATGCTTGGAAAGCATTTCTGTCT 140
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 Db 201 CATCATCACCTACAAGCTCTAACAAAGAAGATCTTGAAATTTCAGGGATGAGCGC 260
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 Db 381 AGTTCTGAAAATGTTAAAGTGTGTTAGTCATTAAATGGACAAATGACATGTTGTTA 440
 Qy 361 ATGATGAGAAAAGCTTACAAATGCGCTTGTGATAGGAGACCAATACACTGTGTT 420
 Db 441 ATGATGAGAAAAGCTTACAAATGCGCTTGTGATAGGAGACCAATACACTGTGTT 500
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 Db 501 TTCTTCTGACGCCACTACGTTCTATCATGAAACCTAAAGTATTTTGTGTTAAA 560
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 Db 561 AAGGATCCATCACGCCCTCTATCAGGCAACTATACGCCCTTGTGATAGGAGACCAATACACTGTGTT 620
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 Db 621 GTGGTATGGAAGGAGGAATTCTGGTCTGAACTAGGCTTGTGATAGGAGACCAATACACTGTGTT 680
 Qy 601 CTGAAATGCCAGAAAAGCTTGTGATAGGAGACCAATACACTGTGTT 660

Db 681 CTGAAATGCCAGAAAAGCTTGTGATAGGAGACCAATACACTGTGTT 740
 Qy 661 AACAGCTAGCAGTTGGCTGAAATATGCTGAGTATTTGAGAAAATGAGAGATGCT 720
 Db 741 AACAGCTAGCAGTTGGCTGAAATATGCTGAGTATTTGAGAAAATGAGAGATGCT 800
 Qy 721 GATGAAAGAGATGTTATTAACCAAACTGTGTTGGCTTCTTAAAGGCAATGACT 780
 Db 801 GATGAAAGAGATGTTATTAACCAAACTGTGTTGGCTTCTTAAAGGCAATGACT 860
 Qy 781 TATCACCACCAAGGTAGTAGAAGGCTGTTGTTAGATGCTGTTACTTTAAATGGA 840
 Db 861 TATCACCACCAAGGTAGTAGAAGGCTGTTGTTAGATGCTGTTACTTTAAATGGA 920
 Qy 841 CTGACTCCAATCAGATGATGATGATGCTTACGCCCTTGGGATTTGGG 900
 Db 921 CTGACTCCAATCAGATGATGATGATGCTTACGCCCTTGGGATTTGGG 980
 Qy 901 CATATTTCAATGATGATGATGTTCTTACCTCCAAATGGTTCAGAACATGAG 957
 Db 981 CATATTTCAATGATGATGATGTTCTTACCTCCAAATGGTTCAGAACATGAG 1037

RESULT 24
 AX464240
 LOCUS AX464240 1572 bp DNA linear PAT 16-JUL-2002
 DEFINITION Sequence 373 from Patent WO0140466.
 ACCESSION AX464240
 VERSION AX464240.1 GI:21899136
 KEYWORDS
 SOURCES Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryote; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Eucarchontoglires; Primates; Catarrhini;
 Hominoidea; Homo.
 REFERENCE 1
 AUTHORS Baker,K.P., Beresini,M., Deforge,L., Desnoyers,L., Filvaroff,E.,
 Gao,W.Q., Gerritsen,M.B., Goddard,A., Godowski,P.J., Gurney,A.L.,
 Sherwood,S., Smith,V., Stewart,T.A., Tumas,D., Watanabe,C.K.,
 Wood,W.L. and Zhang,Z.
 TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
 the same
 JOURNAL Patent: WO 0140466-A 373 07-JUN-2001;
 Genentech Inc. (US)
 FEATURES Location/Qualifiers
 source 1..1572
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"
 ORIGIN

Query Match 100.0%; Score 957; DB 6; Length 1572;
 Best Local Similarity 100.0%; Pred. No. 3.4e-201;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ATGCTTCTGAAAGCAGCTCTTGTGAGGGTGTGATGCTTGGAAAGTATCTGTCT 60

Db 81 ATGCTTTCTGAAGCAGCTCTTGGAAAGGTGTGATGCTTGGGACATTTCTGTCT 140
 Qy 61 TTGATCACTATGCTAGGACAATTAGGATTGGTCACTGGAAATAAGATACCAACCATGAG 120
 Db 141 TTGATCACTATGCTAGGACAATTAGGATTGGTCACTGGAAATAAGATACCAACCATGAG 200
 Qy 121 CATCATCACCTAACAGCTCTAACAAAAGAGATACTTGAAGAATTTCAGAGATGAGGCC 180
 Db 201 CATCATCACCTAACAGCTCTAACAAAAGAGATACTTGAAGAATTTCAGAGATGAGGCC 260
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 Db 261 ATGGAGCTCAAGTAGAGCTTGGAGTATCTGTTATTCTTGAAACCCAAAGATGTG 320
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 Qy 661 AAACAGCTAGCAGTTGCTGAAATATGCTGAGTTTGAGAAATCAGAGATGTG 720
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 Db 981 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1037

RESULT 25
 AX697749
 LOCUS AX697749 1572 bp DNA linear PAT 02-APR-2003
 DEFINITION Sequence 340 from Patent WO0104311.
 ACCESSION AX697749
 VERSION AX697749.1 GI:29498825
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominoidea; Homo.
 REFERENCE 1
 AUTHORS Ashkenazi,A.J., Botstein,D., Desnoyers,L., Eaton,D.L., Ferrara,N.,
 Filvaroff,E., Fong,S., Gao,W.O., Gerber,H., Gerritsen,M.E.,
 Goddard,A., Godowski,P.J., Grimaldi,C.J., Gurney,A.L., Hillian,K.J.,
 Kjelvin,I.J., Mather,J.P., Pan,J., Paonni,N.F., Roy,M.A.,
 Stewart,T.A., Tumas,D., Williams,P.M. and Wood,W.I.
 TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
 the same
 JOURNAL Patent: WO 0104311 A 340 18-JAN-2001;
 Genentech Inc. (US)
 FEATURES Location/Qualifiers
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 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"
 ORIGIN
 Query Match 100%; Score 957; DB 6; Length 1572;
 Best Local Similarity 100%; Pred. No. 3.4e-201;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ATGCTTCTGAAAGCAGCTCTTGTGAGTGTGTTCTGGAAAGCATTTCTGTGCT 60
 Db 81 ATGCTTCTGAAAGCAGCTCTTGTGAGTGTGTTCTGGAAAGCATTTCTGTGCT 140
 Qy 61 TTGATCACTATGCTAGGACAATTAGGATTGGTCACTGGAAATAAGATGACATGAG 120
 Db 141 TTGATCACTATGCTAGGACAATTAGGATTGGTCACTGGAAATAAGATGACATGAG 200
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 Db 201 CATCATCACCTAACAGCTCTAACAAAAGAGATACTTGAAGAATTTCAGAGATGAGGCC 260
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 Qy 301 AGCTCTGAAATGTTAAAGTGTGAGTCATTAAATGGACACAAATGACATGTTGTTA 360
 Db 381 AGCTCTGAAATGTTAAAGTGTGAGTCATTAAATGGACACAAATGACATGTTGTTA 440
 Qy 361 ATGATGAAAGCTTACAAATACGGCTTGTGATAAGTATAGAGACCAATACAACTGGTC 420
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 Qy 541 GTGGGTATGGAAGGGAATTGTCTTAAAGTGTAGATCAATGAAAGACTTAAACGGCTT 600
 Db 621 GTGGGTATGGAAGGGAATTGTCTTAAAGTGTAGATCAATGAAAGACTTAAACGGCTT 680
 Qy 601 CTCHATATCCCGAAAAGTGTCTGACAGGGGGGTGATTGGAGATATCTGAAAGT 660
 Db 681 CTCHATATCCCGAAAAGTGTCTGACAGGGGGGTGATTGGAGATATCTGAAAGT 740
 Qy 661 AAACAGCTAGCAGTTGCTGAAATATGCTGAGTTTGAGAAATCAGAGATGTG 720
 Db 741 AAACAGCTAGCAGTTGCTGAAATATGCTGAGTTTGAGAAATCAGAGATGTG 800
 Qy 721 GATGAAAAGATGTATTAAACCAAATCTGTTGGCTTCTATTAAGAGGAAATGACT 780
 Db 801 GATGAAAAGATGTATTAAACCAAATCTGTTGGCTTCTATTAAGAGGAAATGACT 860
 Qy 781 TATCACCCCAACAGGTAGTAAAGGCTGTTGTCAGATATGGCTTACTTTAAATGGA 840
 Db 861 TATCACCCCAACAGGTAGTAAAGGCTGTTGTCAGATATGGCTTACTTTAAATGGA 920
 Qy 841 CTGACTCCAAATCAGATGCACTGATGATGATGATGATGATGATGATGATG 900
 Db 921 CTGACTCCAAATCAGATGCACTGATGATGATGATGATGATGATGATGATG 980
 Qy 901 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957
 Db 981 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1037

RESULT 26
 AY358642
 LOCUS AY358642 1572 bp mRNA linear PRI 03-OCT-2003
 DEFINITION Homo sapiens clone DNA4046 HSPC067 (UNQ273) mRNA, complete cds.
 ACCESSION AY358642
 VERSION AY358642.1 GI:37182405
 KEYWORDS PLI cDNA.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominoidea; Homo.

REFERENCE 1 (bases 1 to 1572)
 AUTHORS Clark,H.F., Gurney,A.L., Abaya,B., Baker,K., Baldwin,D., Brush,J.,
 Chen,J., Chow,B., Chui,C., Crowley,C., Currell,B., Deuel,B.,
 Dowd,P., Eaton,D., Foster,J., Grimaldi,C., Gu,O., Hass,P.E.,
 Heidens,S., Huang,A., Kim,H.S., Klimowaski,L., Jin,Y., Johnson,S.,
 Lee,J., Lewis,L., Liao,D., Mark,M., Robbie,E., Sanchez,C.,
 Schoenfeld,J., Seshagiri,S., Simmons,L., Singh,J., Smith,V.,
 Stinson,J., Vagts,A., Vandlen,R., Watanabe,C., Weiland,D., Woods,K.,
 Xie,M.H., Yansura,D., Yi,S., Yuan,Y., Yuan,J., Zhang,M., Zhang,Z.,
 Goddard,A., Wood,W.I. and Godowski,P.

TITLE The Secreted Protein Discovery Initiative (SPDI), a Large-Scale
 Effort to Identify Novel Human Secreted and Transmembrane Proteins:
 A Bioinformatics Assessment
 JOURNAL Genome Res. 13 (10), 2265-2270 (2003)
 PUBMED 12975309

REFERENCE 2 (bases 1 to 1572)
 AUTHORS Clark,H.F.
 TITLE Direct Submission
 JOURNAL Submitted (01-AUG-2003) Department of Bioinformatics, Genentech,
 Inc., 1 DNA Way, San Francisco, CA 94080, USA
 FEATURES Location/Qualifiers
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 /mol_type="RNA"
 /db_xref="taxon:9606"
 /clone="DNA43046"
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 /locus_tag="UNQ273"
 CDS 81..1037
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 /codon_start=1
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 /protein_id="AAQ89005.1"
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ORIGIN
 Query Match 100%; Score 957; DB 6; Length 1572;
 Best Local Similarity 100%; Pred. No. 3.4e-201;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ATGCTTCTGAAAGCAGCTCTTGTGAGTGTGTTCTGGAAAGCATTTCTGTGCT 60
 Db 81 ATGCTTCTGAAAGCAGCTCTTGTGAGTGTGTTCTGGAAAGCATTTCTGTGCT 140
 Qy 61 TTGATCACTATGCTAGGACAATTAGGATTGGTCACTGGAAATAAGATGACACCATGAG 120
 Db 141 TTGATCACTATGCTAGGACAATTAGGATTGGTCACTGGAAATAAGATGACACCATGAG 200

QY 121 CATCATCACCTACAAGCTCTAACAAAGAAGATATCTTGAATTTCAGAGATGAGCGC 180
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 QY 181 ATGGAGCTCTAGAAGCTTCTGGATATACTGTATTATCTTGTAAACCCAAAGATGTG 240
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 Db 321 AGTCTTTGGCTCGAGTAAAGGAGACTTGGACAAACACTGTGACAAAGCAGAGTTCTC 380
 QY 301 AGTCTGAAAATGTTAAAGTGTGAGCTAAATATGGACACAAAGCATGTTGTTA 360
 Db 381 AGTCTGAAAATGTTAAAGTGTGAGCTAAATATGGACACAAAGCATGTTGTTA 440
 QY 361 ATGATGAAAAAGCTTACAAATAGCCCTTGATAAGTATAGAGACCAATACAGTTTC 420
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 QY 421 TICCTTGACGCCCACTACGTTGCTATCATTTGAAACCTAAAGTATTGTTGTTA 480
 Db 501 TICCTTGACGCCCACTACGTTGCTATCATTTGAAACCTAAAGTATTGTTGTTA 560
 QY 481 AAGGATCCATCACGCCCTTCTATCTAGGCOACACTAAATCTGGAGACCTTAAT 540
 Db 561 AAGGATCCATCACGCCCTTCTATCTAGGCOACACTAAATCTGGAGACCTTAAT 620
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 QY 901 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957
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RESULT 27
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 LOCUS AC011890 158907 bp DNA linear PRI 07-OCT-2000
 DEFINITION Homo sapiens PAC clone RP4-655L22 from Xq23, complete sequence.
 ACCESSION AC011890
 VERSION AC011890.4 GI:7705211
 KEYWORDS HTG.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominoidea; Homo.
 REFERENCE 1 (bases 1 to 158907)
 AUTHORS Sulston, J.S. and Waterston, R.
 TITLE Toward a complete human genome sequence
 JOURNAL Genome Res. 8 (11), 1097-1108 (1998)
 PUBMED 9847074
 REFERENCE 2 (bases 1 to 158907)
 AUTHORS Harkins, R., Drone, K., LaPlant, Y. and Le, T.
 TITLE The sequence of Homo sapiens PAC clone RP4-655L22
 JOURNAL Unpublished
 REFERENCE 3 (bases 1 to 158907)
 AUTHORS Waterston, R.H.
 TITLE Direct Submission
 JOURNAL Submitted (15-OCT-1999) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
 REFERENCE 4 (bases 1 to 158907)
 AUTHORS Waterston, R.H.
 TITLE Direct Submission
 JOURNAL Submitted (04-MAY-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
 REFERENCE 5 (bases 1 to 158907)
 AUTHORS Waterston, R.H.
 TITLE Direct Submission
 JOURNAL Submitted (12-JUN-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
 REFERENCE 6 (bases 1 to 158907)
 AUTHORS Waterston, R.
 TITLE Direct Submission
 JOURNAL Submitted (07-OCT-2000) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA
 COMMENT On May 4, 2000 this sequence version replaced gi:7630762.
 ----- Genome Center
 Center: Washington University Genome Sequencing Center
 Center code: WUGSC
 Web site: <http://genome.wustl.edu/gsc>
 Contact: sapiens@watson.wustl.edu
 ----- Summary Statistics
 Center project name: H_DJ0655L22

NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap

between neighboring data submissions.

This sequence was finished as follows unless otherwise noted:
 all regions were double stranded, sequenced with an alternate
 chemistry, or covered by high quality data (i.e., phred quality >
 30); an attempt was made to resolve all sequencing problems, such
 as compressions and repeats; all regions were covered by sequence
 from more than one subclone; and the assembly was confirmed by
 restriction digest.

MANUFACTURING INFORMATION:
 This sequence was generated from part of bacterial clone contigs of
 human chromosome X, constructed by the chromosome X mapping group
 at the Sanger Centre, Wellcome Trust Genome Campus, Hinxton, UK.
 Further information can be found at
<http://www.sanger.ac.uk/HGP/ChrX/>

SOURCE INFORMATION:
 This clone was derived from human PAC library RPCI-4, prepared by
 Pieter de Jong and coworkers at the Roswell Park Cancer Institute
 (<http://bacpac.med.buffalo.edu>) using the method described by
 Ioannou et al., Nature Genetics 6:84-9 (1994). The library is from
 one male donor.
 The clone may be obtained either from Genome Systems, Inc.
 (<http://www.genomesystems.com>) or Research Genetics, Inc.
 (<http://www.resgen.com>); or from Pieter de Jong.

VECTOR: pCYPA2

NEIGHBORING SEQUENCE INFORMATION:

The clone sequenced to the right is RP1-321E8. Actual start of
 this clone is at base position 1 of RP4-655L22.

RP4-655L22 contains a transposon in the unfinished region of the
 clone, which is not part of the submitted sequence.

FEATURES

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repeat_region	388..685
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repeat_region	686..715
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repeat_region	687..1815
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Best Local Similarity 100.0%; Pred. No. 1..e-201;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Oy   121 CTCATCACCTACAGACTCTAACAGAGATACTTGAAATTTCAGAGATGAGCC 180
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Oy   181 ATGGAGCTCTAGAACAGCTTGGTCTATGGTCTATGGAAACCCAAAGATGTC 240
Db   27154 ATGGAGCTCTAGAACAGCTTGGTCTATGGTCTATGGAAACCCAAAGATGTC 27095
Oy   241 AGCTTTGGCTGCAGTAAAGGAGACTTGGACCAAACACTGTGACAAGCAGAGTTCTC 300
Db   27094 AGCTTTGGCTGCAGTAAAGGAGACTTGGACCAAACACTGTGACAAGCAGAGTTCTC 27035
Oy   301 AGTCTGAARATGTTAAAGTGTGATGCTATTAATATGGACACAAAATGACATGTGGTTA 360

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Db   27034 AGTCTGAAAATGTTAAAGTGTGATGCTATGGACACAAAATGACATGTGGTTA 26975
Oy   361 ATGATGAGAAAAGCTTACAAATAGCCTTGTGATGAAAGTATAGAGACCAACACTGCTGTC 420
Db   26974 ATGATGAGAAAAGCTTACAAATAGCCTTGTGATGAAAGTATAGAGACCAACACTGCTGTC 26915
Oy   421 TTCTTGTGAGGCCCAACTACGTTTGTGATGCTATGGACACAAAATGACATGTGGTTA 480
Db   26914 TTCTTGTGAGGCCCAACTACGTTTGTGATGCTATGGACACAAAATGACATGTGGTTA 26855
Oy   481 AAGGATCCAATGAGCCACTATCTAGGCAACACTATGGACACAAAATGACATGTGGTTA 540
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Db   26734 CTCAATATCCCAGAAAAGTGTGCTGAAACAGGAGGGATGATTGGAGATATCTGAGAT 26675
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Db   26614 GATGAAAAGATGTATTAAATACCAAAATCTGTGGTTTCTTAAAGGCAATGACT 26555
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Db   26554 TATCACCCACCAGGTAGTAGAAGGCTTGTGCTGAGATGGCTGTTACTTTAAATGGA 26495
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RESULT 28
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LOCUS BD194853          1376 bp    DNA    linear    PAT 17-JUL-2003
DEFINITION 86 human secreted proteins.
ACCESSION BD194853
VERSION BD194853.1 GI:33004602
KEYWORDS JP 2002514090-A/24.
SOURCE unidentified
ORGANISM unidentified
unclassified.
REFERENCE 1 (bases 1 to 1376)
AUTHORS Moore,P.A., Shi,Y., Rosen,C.A., Ruben,S.M., Lafleur,D.W., Olsen,H.S., Ebner,R., Brewer,L.A., Young,P., Greene,J.M.,

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TITLE Ferrie,A.M., Yu,G.L., Ni,J. and Feng,P.
JOURNAL 86 human secreted proteins
PATENT: JP 2002514090-A 24 14-MAY-2002;
HUMAN GENOME SCIENCES INC
COMMENT OS Unidentified
OS Unidentified
PN JP 2002514090-A/24
PD 14-MAY-2002
PF 11-JUN-1998 JP 1999503203
PR 13-JUN-1997 US 60/049547, 13-JUN-1997 US 60/049548 PR
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13-JUN-1997 US 60/049607, 13-JUN-1997 US 60/049608 PR
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13-JUN-1997 US 60/049611, 13-JUN-1997 US 60/049601 PR
13-JUN-1997 US 60/052989, 08-JUL-1997 US 60/051919 PR
18-AUG-1997 US 60/055984, 12-SEP-1997 US 60/058665 PR
12-SEP-1997 US 60/058666, 12-SEP-1997 US 60/058669 PR
12-SEP-1997 US 60/058750, 12-SEP-1997 US 60/058971 PR
12-SEP-1997 US 60/058972, 12-SEP-1997 US 60/058975 PR
02-OCT-1997 US 60/060834, 02-OCT-1997 US 60/060841 PR
02-OCT-1997 US 60/060844, 02-OCT-1997 US 60/060865 PR
02-OCT-1997 US 60/061059, 02-OCT-1997 US 60/061060 PI PAUL A
MOORE, YANGQI SHI, CRAIG A ROSEN, STEVEN M RUBEN, DAVID W PI
LAFLEUR,
PI HENRIK S OLSEN, REINHARD EBNER, LAURIE A BREWER, PAUL YOUNG, JOHN
PI M GREENE,
PI ANN FERRIE, GUO LIAN YU, JIAN NI, PING FENG
PC C07H21/02, C07H21/04, C12N5/00, C12N5/04, C12N5/06, C12N5/10 PC
,C12N5/16, C12N15/05,
PC C12N5/09, C12N15/10, C12N15/11, C12N15/12, C12P21/04, C12P21/06 CC
Strandedness: Double;
CC Topology: Linear;
CC 86 human secreted proteins
FH Key Location/Qualifiers
FT source 1..1376
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Best Local Similarity 99.9%; Pred. No. 4..e-201;
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Oy   301 AGTCTGAAAATGTTAAAGTGTGCTTACCTTAAAGTGTGCTGAAATGACATGTGGTTA 360
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Oy   361 ATGATGAGAAAAGCTTACAAATAGCCTTGTGATGAAAGTATAGAGACCAACACTGTTTC 420
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Db   566 TTCTTGTGAGGCCCAACTACGTTTGTGATGCTATGGACACAAAATGACATGTGGTTA 625
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Db   986 CTGACTCAAATCAGATGCTGATGATGTTGGGTATAACGCCATTAGGGCATTTGGG 1045
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RESULT 29
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LOCUS C0855181 1376 bp DNA linear PAT 23-AUG-2004
DEFINITION Sequence 25 from Patent EP1439189.
ACCESSION C0855181
VERSION C0855181.1 GI:51510609
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrates; Euteleostomi; Mammalia; Sutheria; Euchondroliques; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
AUTHORS Ruben,S.M., Ni,J., Rosen,C.A., Ebner,R., Young,P., Moore,P.A., Feng,P., LaFleur,D.W., Olsen,H.S., Yanggu,S., Brewer,L.A., Greene,J.M., Ferrie,A.M. and Yu,G.L.

TITLE 86 Human Secreted Proteins
JOURNAL Patent: EP 1439189-A 25 21-JUL-2004;
Human Genome Sciences, Inc. (US)

FEATURES Location/Qualifiers

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Best Local Similarity 99.9%; Pred. No. 4.2e-201;
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Qy 1 ATGCTTCTGAAGCAGCTCCCTTTGAAGGGTGTATGCTTGAAGCATTTCTGTCT 60
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Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGCATGAAATGAGATGCCACCATGAG 120
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Qy 121 CATCATCACCTACAAGCTCTAACAAAAGAGATCTTGAAGAATTTAGGAGTGAGCGC 180
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LOCUS AR339340 1477 bp DNA linear PAT 17-AUG-2003
DEFINITION Sequence 831 from patent US 6569662.
ACCESSION AR339340
VERSION AR339340.1 GI:33726197
KEYWORDS
SOURCE Unknown
ORGANISM Unknown
Bukaryota; Unclassified.

REFERENCE 1 (bases 1 to 1477)
AUTHORS Tang,Y.T., Zhou,P. and Drmanac,R.T.
TITLE Nucleic acids and polypeptides
JOURNAL Patent: US 6569662-A 831 27-MAY-2003;
Hyseq, Inc.; Sunnyvale, CA

FEATURES Location/Qualifiers

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ORIGIN

Query Match 99.8%; Score 955.4; DB 6; Length 1477;
Best Local Similarity 99.9%; Pred. No. 7.7e-201;
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Db 291 TTGATCACTATGCTAGGACACATTAGGATTGGCATGAAATGAGATGCCACCATGAG 350
Qy 121 CATCATCACCTACAAGCTCTAACAAAAGAGATCTTGAAGAATTTAGGAGTGAGCGC 180
Db 351 CATCATCACCTACAAGCTCTAACAAAAGAGATCTTGAAGAATTTAGGAGTGAGCGC 410
Qy 181 ATGGAGCTCAGAACAGCTTGGAGTATACTGTTATCTTGTAAACCCAAAGATGTG 240
Db 411 ATGGAGCTCAGAACAGCTTGGAGTATACTGTTATCTTGTAAACCCAAAGATGTG 470
Qy 241 ACTCTTGGGTGAGTAAGGAGACTTGGACAAACACTGTGCAAGCAGAGTTCTC 300
Db 471 ACTCTTGGGTGAGTAAGGAGACTTGGACAAACACTGTGCAAGCAGAGTTCTC 530
Qy 301 AGTCTGAAAATGTTAAAGTGTGAGTCATAATATGAGCACAAATGACATGTGTTA 360
Db 531 AGTCTGAAAATGTTAAAGTGTGAGTCATAATATGAGCACAAATGACATGTGTTA 590
Qy 361 ATGATGAGAAAAGCTTACAATACGCCCTTGTATAAGTATAGAGACCAATACACTGGTC 420
Db 591 ATGATGAGAAAAGCTTACAATACGCCCTTGTATAAGTATAGAGACCAATACACTGGTC 650
Qy 421 TTCTTGACGCCCACTACGTTGTATCATGAAAACCTAAAGTATTTTGTAAAA 480
Db 651 TTCTTGACGCCCACTACGTTGTATCATGAAAACCTAAAGTATTTTGTAAAA 710
Qy 481 AAGATCCATCACGCCCTTGTATCAGGCCACACTATAAAATCTGGAGACCTTGTAAAT 540
Db 711 AAGGATCCATCACGCCCTTGTATCAGGCCACACTATAAAATCTGGAGACCTTGTAAAT 770
Qy 541 GTGGGTATGGAGGGAAATGCTTAAAGTGTGAGATCAATGAAAAGACTTACGCCCTT 600
Db 771 GTGGGTATGGAGGGAAATGCTTAAAGTGTGAGATCAATGAAAAGACTTACGCCCTT 830
Qy 601 CTCAATATCCAGAAAAGTGTCTGCAAGGGAGGGATTTGGAGAGATCTGAGAT 660
Db 831 CTCAATATCCAGAAAAGTGTCTGCAAGGGAGGGATTTGGAGAGATCTGAGAT 890
Qy 661 AAACAGCTAGCAGTTGGCTGAAATGCTGAGATTTGGAGAAAATGAGATGTCT 720
Db 891 AAACAGCTAGCAGTTGGCTGAAATGCTGAGATTTGGAGAAAATGAGATGTCT 950
Qy 721 GATGAAAAGATTTAATACGAAAATCTGTTGGCTTGTATAAGGAGGAAATGACT 780
Db 951 GATGAAAAGATTTAATACGAAAATCTGTTGGCTTGTATAAGGAGGAAATGACT 1010
Qy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTTGTATGGCTGTTACTTTATGGA 840

Db 1011 TATCACCCCAACAGGTAGTAGAAGGCTGTTGTATGGCTGTTACTTTATGGA 1070
Qy 841 CTGACTCCAAATCAGATGCTGAGATGATGATGTTGGGTATACGCCCTTGGGCATTTGGG 900
Db 1071 CTGACTCCAAATCAGATGCTGAGATGATGATGTTGGGTATACGCCCTTGGGCATTTGGG 1130
Qy 901 CATATTTCAATGATGCTTGGTTCTTACCTCCAAATGGCTGACAATGACTGA 957
Db 1131 CATATTTCAATGATGCTTGGTTCTTACCTCCAAATGGCTGACAATGACTGA 1187

RESULT 31

BX294172_1/c
WPCOMMENT
Sequence split into 5 fragments LOCUS BX294172 Accession BX294172

Fragment Name	Begin	End
BX294172_0	1	110000
BX294172_1	100001	210000
BX294172_2	200001	310000
BX294172_3	300001	410000
BX294172_4	400001	479363

Continuation (of 2 of 5) of BX294172 from base 100001 (BX294172 Homo sapiens chromosome X clone Xxyc-12689, WORKING DRAFT SEQUENCE, 4 unordered pieces. 4/2003)

Query Match 99.8%; Score 955.4; DB 14; Length 110000;
Best Local Similarity 99.9%; Pred. No. 2.8e-201;
Matches 956; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATGCTTCTGAAGCAGCTCCCTTTGAAGGGTGTATGCTTGAAGCATTTCTGTCT 60
Db 14874 ATGCTTCTGAAGCAGCTCCCTTTGAAGGGTGTATGCTTGAAGCATTTCTGTCT 14815
Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGCATGAAATGAGATGCCACCATGAG 120
Db 14814 TTGATCACTATGCTAGGACACATTAGGATTGGCATGAAATGAGATGCCACCATGAG 14755
Qy 121 CATCATCACCTACAAGCTCTAACAAAAGAGATCTTGAAGAATTTAGGAGTGAGCGC 180
Db 14754 CATCATCACCTACAAGCTCTAACAAAAGAGATCTTGAAGAATTTAGGAGTGAGCGC 14695
Qy 181 ATGGAGCTCAGAACAGCTTGGACAAACACTGTGCAAGCAGAGTTCTC 240
Db 14694 ATGGAGCTCAGAACAGCTTGGACAAACACTGTGCAAGCAGAGTTCTC 14635
Qy 241 ACTCTTGGGTGAGTAAGGAGACTTGGACAAACACTGTGCAAGCAGAGTTCTC 300
Db 14634 ACTCTTGGGTGAGTAAGGAGACTTGGACAAACACTGTGCAAGCAGAGTTCTC 14575
Qy 301 AGTCTGAAAATGTTAAAGTGTGAGTCATAATATGAGCACAAATGACATGTGTTA 360
Db 14574 AGTCTGAAAATGTTAAAGTGTGAGTCATAATATGAGCACAAATGACATGTGTTA 14515
Qy 361 ATGATGAGAAAAGCTTACAATACGCCCTTGTATAAGTATAGAGACCAATACACTGGTC 420
Db 14514 ATGATGAGAAAAGCTTACAATACGCCCTTGTATAAGTATAGAGACCAATACACTGGTC 14455

Qy 421 TTCCCTTGACGCCCACTACGTTGCTATCATGGAAACCTAAAGTATTITGTAAAA 480
 |||||
 Db 14454 TTCCCTTGACGCCCACTACGTTGCTATCATGGAAACCTAAAGTATTITGTAAAA 14395
 Qy 481 AAGGATCCATCACGCCCTTCTATCTAGGCCACTATAAATCTGGAGACCTTGAAT 540
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 Db 14394 AAGGATCCATCACGCCCTTCTATCTAGGCCACTATAAATCTGGAGACCTTGAAT 14395
 Qy 541 GTGGGTATGGAAAGGAGGAATTGTCCTTAAGTGTAGATCAATGAAAAGACTAAACGCCCT 600
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 Db 14334 GTGGGTATGGAAAGGAGGAATTGTCCTTAAGTGTAGATCAATGAAAAGACTAAACGCCCT 14275
 Qy 601 CTCAATATGCCAGAAAAGTGTCTGACAGGGAGGATATTGGAGATCTGAGAT 660
 |||||
 Db 14274 CTCAATATGCCAGAAAAGTGTCTGACAGGGAGGATATTGGAGATCTGAGAT 14215
 Qy 661 AAAACAGCTAGGAGTTGCTGAAATATGCTGGATATTGGAGATCTGAGAT 720
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 Db 14214 AAAACAGCTAGGAGTTGCTGAAATATGCTGGATATTGGAGATCTGAGAT 14155
 Qy 721 GATGGAAAAGATGTATTAACTAACAAATCTGGCTTCTATTAAAGGCGCATGACT 780
 |||||
 Db 14154 GATGGAAAAGATGTATTAACTAACAAATCTGGCTTCTATTAAAGGCGCATGACT 14095
 Qy 781 TATCACCACCCACCGAGTAGTAAAGCTGCTGAGATATGGCTGTTACTTTAAATGGA 840
 |||||
 Db 14094 TATCACCACCCACCGAGTAGTAAAGCTGCTGAGATATGGCTGTTACTTTAAATGGA 14035
 Qy 841 CTGACTCCAAATCAGATGCATGTGATGATGTTGGGATACCGCCCTAGGCATTGGG 900
 |||||
 Db 14034 CTGACTCCAAATCAGATGCATGTGATGATGTTGGGATACCGCCCTAGGCATTGGG 13975
 Qy 901 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957
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 Db 13974 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 13918

RESULT 32
 HSA238398
 LOCUS HSA238398 1605 bp mRNA linear PRI 20-DEC-2001
 DEFINITION Homo sapiens mRNA for c18h2-11 protein.
 ACCESSION AJ238398
 VERSION AJ238398.1 GI:17976700
 KEYWORDS c18h2-11 gene; c18h2-11 protein.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominoidea; Homo.
 REFERENCE 1
 AUTHORS Rubello,F., Marchitiello,A., Ballabio,A. and Banfi,S.
 TITLE Identification and characterization of c18h2-11
 JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 1605)
 AUTHORS Banfi,S.
 TITLE Direct Submission

JOURNAL Submitted (20-APR-1999) Banfi S., Genetics, TIGEM (Telethon Institute of Genetics and Medicine), Via Olgettina, 58 Milan, 20132, ITALY
 FEATURES Location/Qualifiers
 source 1..1605
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 gene 1..1605
 /gene="c18h2-11"
 CDS 274 ..1194
 /gene="c18h2-11"
 /codon_start=1
 /product="c18h2-11 protein"
 /protein_id="C480277.1"
 /db_xref="GI:17976701"
 /db_xref="UniProt:TrEMBL:Q8WWS3"
 /translation "MLGSIFCALITMLGHIRIGHGNRHHHHHLQAPNKEDILKIS
 EDERMBELSKSPRVYC1LVEPKDQVSLAAAVKETMTHCDKA5FPSSNVVKLESINMD
 TNDDMLMOKRKAAYFDKYRDQNMWFLARPTPAIENLYFLKKDPSOPPYLGH
 IKSQDLEYVGEMGGIVL5VESMRKLNSLNIPSEKCPPEQGMWIK155EDKOLAVCLYA
 GVPFARNADQDGDFVNFTKSVGLS1KEAMTYHPNQVVEGCCDMAVTFNGLTPNQHG
 HMMGYVYRLRAGFH1FNDAVLFLPPNGSDND"

ORIGIN

Query Match 99.7%; Score 953.8; DB 8; Length 1605;
 Best Local Similarity 99.8%; Pred. No. 1.7e-200;
 Matches 955; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCTTTTGAAGGTTGATGCTTGGAAAGCTTTCTGCT 60
 Db 238 ATGCTTTCTGAAAGCAGCTCTTTTGAAGGTTGATGCTTGGAAAGCTTTCTGCT 297
 Qy 61 TTGATCCTACTATCTGAAAGCACATTAGGATTTGCTATGAAAGTAGATGCAACCATGAG 120
 Db 298 TTGATCCTACTATCTGAAAGCACATTAGGATTTGCTATGAAAGTAGATGCAACCATGAG 357
 Qy 121 CATCATCACTACAGCTCTAACAAAGAAGATATCTGAAAATTCTGAGGATGAGGCC 180
 Db 358 CATCATCACTACAGCTCTAACAAAGAAGATATCTGAAAATTCTGAGGATGAGGCC 417
 Qy 181 ATGGAGCTCAGTAAGACCTTGCAGATTAAGCTGTTACTGTTATATCTCTGAAACCGAAAGATG 240
 Db 418 ATGGAGCTCAGTAAGACCTTGCAGATTAAGCTGTTACTGTTATATCTCTGAAACCGAAAGATG 477
 Qy 241 AGTCCTTGGGCTGCACTAAAGGAGACTTGGACCAAACACTGTGACAAAGCAGAGTTCTC 300
 Db 478 AGTCCTTGGGCTGCACTAAAGGAGACTTGGACCAAACACTGTGACAAAGCAGAGTTCTC 537
 Qy 301 AGTTCTGAAAGTAAAGCTGTTGACTGTTGACTGAAATTATGGAACAAATGACATGTTGTTA 360
 Db 538 AGTTCTGAAAGTAAAGCTGTTGACTGAAATTATGGAACAAATGACATGTTGTTA 597
 Qy 361 ATGATGAGAAAAGCTTACAATACGCCCTTGTAAAGTATAGAGACCAATACACTGGTT 420
 Db 598 ATGATGAGAAAAGCTTACAATACGCCCTTGTAAAGTATAGAGACCAATACACTGGTT 657

Qy 421 TTCCCTTGACGCCCACTACGTTGCTATCATGGAAACCTAAAGTATTITGTAAAA 480
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 Db 658 TTCCCTTGACGCCCACTACGTTGCTATCATGGAAACCTAAAGTATTITGTAAAA 717
 Qy 481 AAGGATCCATCACGCCCTTCTATCTAGGCCACTATAAATCTGGAGACCTTGAAT 540
 |||||
 Db 718 AAGGATCCATCACGCCCTTCTATCTAGGCCACTATAAATCTGGAGACCTTGAAT 777
 Qy 541 GTGGGTATGGAAAGGAGGAATTGTCCTTAAGTGTAGATCAATGAAAAGCTTAAACGCCCT 600
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 Db 778 GTGGGTATGGAAAGGAGGAATTGTCCTTAAGTGTAGATCAATGAAAAGCTTAAACGCCCT 837
 Qy 601 CTCAATATGCCAGAAAAGTGTCTGACAGGGAGGATATTGGAGATCTGAGAT 660
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 Db 838 CTCAATATGCCAGAAAAGTGTCTGACAGGGAGGATATTGGAGATCTGAGAT 897
 Qy 661 AAACAGCTAGCAGTTGCTGAAATATGCTGGAGTTTGGAGAAAATGAGATGCT 720
 |||||
 Db 898 AAACAGCTAGCAGTTGCTGAAATATGCTGGAGTTTGGAGAAAATGAGATGCT 957
 Qy 721 GATGGAAAAGATGTATTAACTAACAAATCTGGCTTCTATTAAAGGCCATGACT 780
 |||||
 Db 958 GATGGAAAAGATGTATTAACTAACAAATCTGGCTTCTATTAAAGGCCATGACT 1017
 Qy 781 TATCACCACCCACCGAGTAGTAAAGCTGCTGAGATATGGCTGTTACTTTAAATGGA 840
 |||||
 Db 1018 TATCACCACCCACCGAGTAGTAAAGCTGCTGTTACTGAGATATGGCTGTTACTTTAAATGGA 1077
 Qy 841 CTGACTCCAAATCAGATGCATGTGATGATGATGGGATACCGCCCTAGGCATTGGG 900
 |||||
 Db 1078 CTGACTCCAAATCAGATGCATGTGATGATGATGGGATACCGCCCTAGGCATTGGG 1137
 Qy 901 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957
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 Db 1138 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1194

RESULT 33
 AX256063
 LOCUS AX256063 1495 bp DNA linear PAT 10-OCT-2001
 DEFINITION Sequence 214 from Patent WO0170976.
 ACCESSION AX256063
 VERSION AX256063.1 GI:16075103
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrates; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominoidea; Homo.
 REFERENCE 1
 AUTHORS Xu,J., Pyle,R.A. and Stolk,J.A.
 TITLE Compositions and methods for the therapy and diagnosis of ovarian and endometrial cancer
 JOURNAL Patent: WO 0170976-A 214 27-SEP-2001;
 CORIXA CORPORATION (US)
 FEATURES Location/Qualifiers
 source 1..1495

/organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"
 ORIGIN
 Query Match 95.7%; Score 915.4; DB 6; Length 1495;
 Best Local Similarity 98.4%; Pred. No. 5.4e-192;
 Matches 946; Conservative 0; Mismatches 11; Indels 4; Gaps 2;
 Qy 1 ATCCTTTCTGAAACAGCTCTTTTGAAGGTTGATGCTTGGAG-CATTCTGTC 59
 Db 254 ATCCTTTCTGAAACAGCTCTTTTGAAGGTTGATGCTTGGAG-CATTCTGTC 313
 Qy 60 TTGAT --CATATGCTAGGACACATTAGGTTGGCTATGAAATAGATGCAACCA 116
 |||||
 Db 314 TTGATCCTATGCTAAAGGACACATTAGGTTGGCTATGAAATAGATGCAACCA 373
 Qy 117 TGAGCATCATCACCTACAGCTCTCAAAGAAGATATCTGAAAATTCTGAGATGA 176
 |||||
 Db 374 TGAGCATCATCACCTACAGCTCTCAAAGAAGATATCTGAAAATTCTGAGATGA 433
 Qy 177 GCGCATGAGCTCAGTAAGACCTTGCAGATTAAGGAGACTTGGACCAAACACTGTGACAAAGCAGAGT 236
 |||||
 Db 434 GCGCATGAGCTCAGTAAGACCTTGCAGATTAAGGAGACTTGGACCAAACACTGTGACAAAGCAGAGT 493
 Qy 237 TGTGAGTCTTGGGCTGCACTAAAGGAGACTTGGACCAAACACTGTGACAAAGCAGAGT 296
 |||||
 Db 494 TGTGAGTCTTGGGCTGCACTAAAGGAGACTTGGACCAAACACTGTGACAAAGCAGAGT 553
 Qy 297 CCTTCAGTTCTGAAAGATGTTGAGTCAATTAAATGACACAAATGACATGT 356
 |||||
 Db 554 CCTTCAGTTCTGAAAGATGTTGAGTCAATTAAATGACACAAATGACATGT 613
 Qy 357 GTTAATGATGAGAAAAGCTTACAATACGCCCTTGTAAAGTATAGAGACCAATACACTG 416
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 Db 614 GTTAATGATGAGAAAAGCTTACAATACGCCCTTGTAAAGTATAGAGACCAATACACTG 673
 Qy 417 GTTCTCTTGTGAGGCCCACTACGTTGCTATCATGAAACCTAAAGTATTITGT 476
 |||||
 Db 674 GTTCTCTTGTGAGGCCCACTACGTTGCTATCATGAAACCTAAAGTATTITGT 733
 Qy 477 AAAAAGGATCCATCACGCCCTTATCTAGGCCACACTATAAATCTGAGACCTTGA 536
 |||||
 Db 734 AAAAAGGATCCATCACGCCCTTATCTAGGCCACACTATAAATCTGAGACCTTGA 793
 Qy 537 ATATOTGGTATGGAAAGGAGATTGCTTCACTAAAGCTGAGATATCTGA 596
 |||||
 Db 794 ATATOTGGTATGGAAAGGAGATTGCTTCACTAAAGCTGAGATATCTGA 853
 Qy 597 CCTCTCAATATGCCAGAAAAGTGTCTGAAACAGGGAGGGATGATTGAGATATCTGA 656
 |||||
 Db 854 CCTCTCAATATGCCAGAAAAGTGTCTGAAACAGGGAGGGATGATTGAGATATCTGA 913
 Qy 657 AGATAAAAGCTAGCAGTTGCTGAAATAGTCTGAGATTTGAGAAGCTTGA 716
 |||||
 Db 914 AGATAAAAGCTAGCAGTTGCTGAAATAGTCTGAGATTTGAGAAGCTTGA 973

Qy 717 TGCCTGATGGAAAAGATGTATTTAATACCAAACTGTTGGGCTTCTATTAAAGAGGCCAAT 776
Db 974 TGCCTGATGGAAAAGATGTATTTAATACCAAACTGTTGGGCTTCTATTAAAGAGGCCAAT 1033
Qy 777 GACTTTATCACCCCAAACCAAGGTTAGAAGGCTTGTTCAGATATGCGCTGTTACCTTTAA 836
Db 1034 GACTTTATCACCCCAAACCAAGGTTAGAAGGCTTGTTCAGATATGCGCTGTTACCTTTAA 1093
Qy 837 TGGACTGACTCCAAATCAGATGCTATGATGATGATGTTGGGGTATACCCGCTTAGGGCATTT 896
Db 1094 TGGACTGACTCCAAATCAGATGCTATGATGATGATGATGTTGGGGTATACCCGCTTAGGGCATTT 1153
Qy 897 TGGCGATATTTCAATGATGCTATGGTTTCTTACCTCCAAATGGTTCTGACAATGACTG 956
Db 1154 TGGCGATATTTCAATGATGCTATGGTTTCTTACCTCCAAATGGTTCTGACAATGACTG 1213
Qy 957 A 957
Db 1214 A 1214

Search completed: April 7, 2006, 08:26:50
Job time : 5120 secs

Qy 481 AAGGATCCATCACGCCCTTCTATCTAGGCCACACTATAAACTCGAGACCTTGAATAT 540
 Db 585 AAGGATCCATCACGCCCTTCTATCTAGGCCACACTATAAACTCGAGACCTTGAATAT 644
 Qy 541 GTGGGTATGAAAGGAGGAATTGCTTAAGTGAGAATCATGAAAAGACTAACAGCCTT 600
 Db 645 GTGGGTATGAAAGGAGGAATTGCTTAAGTGAGAATCATGAAAAGACTAACAGCCTT 704
 Qy 601 CTCATATCCCAGAAAAAGTGTCTGAAAGGGAGATGTTGAGAGATCTGAAAGT 660
 Db 705 CTCATATCCCAGAAAAAGTGTCTGAAAGGGAGATGTTGAGAGATCTGAAAGT 764
 Qy 661 AACAGCTAGCAGTTGCTGAAATACTGCAAGTATTGAGAAAATGCAAGATGCT 720
 Db 765 AACAGCTAGCAGTTGCTGAAATACTGCAAGTATTGAGAAAATGCAAGATGCT 824
 Qy 721 GATGAAAAGATGTATTAACTAACAACTGTGTTGGCTTCTATTAAAGGGCAATGACT 780
 Db 825 GATGAAAAGATGTATTAACTAACAACTGTGTTGGCTTCTATTAAAGGGCAATGACT 884
 Qy 781 TATCACCCCCAACGGTAGAGAAGGCTGTGAGATAGGCTGTTACTTTAAATGGA 840
 Db 885 TATCACCCCCAACGGTAGAGAAGGCTGTGAGATAGGCTGTTACTTTAAATGGA 944
 Qy 841 CTGACTCAAATCAGATGCAATGATGATGATGATGGGATACCGCCCTTGGGCTTGGG 900
 Db 945 CTGACTCAAATCAGATGCAATGATGATGATGATGGGATACCGCCCTTGGGCTTGGG 1004
 Qy 901 CATATTTCAATGATGATGTTCTTACTCCAAATGGCTGACAATGACTG 957
 Db 1005 CATATTTCAATGATGATGTTCTTACTCCAAATGGCTGACAATGACTG 1061

RESULT 4
AAX52273

ID AAX52273 standard; DNA; 1572 BP.

XX

AC AAX52273;

XX

DT 25-JUN-1999 (first entry)

XX

DE Protein PRO310 cDNA clone DNA43046-1225.

XX

KW Secreted protein; transmembrane protein; human; enterocolitis; Zollinger-Ellison syndrome; gastrointestinal ulceration; congenital microvillus atrophy; skin disease; cell growth; abnormal keratinocyte differentiation; psoriasis; epithelial cancer; Parkinson's disease; Alzheimer's disease; ALS; neuropathy; fibromodulin; dermal scarring; Usher Syndrome; Atrophy areata; anti-thrombotic; wound healing; tissue repair; ss.

XX

OS Homo sapiens.

XX

PN W09914328-A2.

XX

PD 25-MAR-1999.

XX

PR 16-SEP-1998; 98WO-US019330.
 XX
 PR 17-SEP-1997; 97US-0059113P.
 PR 17-SEP-1997; 97US-0059115P.
 PR 17-SEP-1997; 97US-0059117P.
 PR 17-SEP-1997; 97US-0059119P.
 PR 17-SEP-1997; 97US-0059121P.
 PR 17-SEP-1997; 97US-0059122P.
 PR 17-SEP-1997; 97US-0059184P.
 PR 18-SEP-1997; 97US-0059263P.
 PR 18-SEP-1997; 97US-0059266P.
 PR 15-OCT-1997; 97US-0062125P.
 PR 17-OCT-1997; 97US-0062285P.
 PR 17-OCT-1997; 97US-0062387P.
 PR 21-OCT-1997; 97US-0063486P.
 PR 24-OCT-1997; 97US-0062814P.
 PR 24-OCT-1997; 97US-0062816P.
 PR 24-OCT-1997; 97US-0063045P.
 PR 24-OCT-1997; 97US-0063120P.
 PR 24-OCT-1997; 97US-0063121P.
 PR 24-OCT-1997; 97US-0063127P.
 PR 24-OCT-1997; 97US-0063128P.
 PR 27-OCT-1997; 97US-0063329P.
 PR 28-OCT-1997; 97US-0063541P.
 PR 28-OCT-1997; 97US-0063542P.
 PR 28-OCT-1997; 97US-0063544P.
 PR 28-OCT-1997; 97US-0063549P.
 PR 28-OCT-1997; 97US-0063550P.
 PR 28-OCT-1997; 97US-0063564P.
 PR 29-OCT-1997; 97US-0063435P.
 PR 29-OCT-1997; 97US-0063704P.
 PR 29-OCT-1997; 97US-0063732P.
 PR 29-OCT-1997; 97US-0063734P.
 PR 29-OCT-1997; 97US-0063735P.
 PR 29-OCT-1997; 97US-0063738P.
 PR 29-OCT-1997; 97US-0064215P.
 PR 31-OCT-1997; 97US-0061870P.
 PR 31-OCT-1997; 97US-0064103P.
 PR 03-NOV-1997; 97US-0064248P.
 PR 07-NOV-1997; 97US-0064809P.
 PR 12-NOV-1997; 97US-0065186P.
 PR 17-NOV-1997; 97US-0065846P.
 PR 18-NOV-1997; 97US-0065693P.
 PR 21-NOV-1997; 97US-0066120P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 24-NOV-1997; 97US-0066445P.
 PR 24-NOV-1997; 97US-0066446P.
 PR 24-NOV-1997; 97US-0066511P.
 PR 24-NOV-1997; 97US-0066770P.
 PR 24-NOV-1997; 97US-0066772P.
 PR 25-NOV-1997; 97US-0066840P.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Wood WI, Gurney AL, Goddard A, Pennica D, Chen J, Yuan J;
 XX

DR WPI; 1999-229533/19.
 DR P-PSDB; AAY13402.
 XX
 PT New isolated human genes and polypeptides used in, e.g. treatment of gastrointestinal ulceration.
 XX
 PS Claim 2; Fig 119; 320pp; English.
 XX
 CC AAX52213-74 encode secreted and transmembrane human proteins, and are obtained from cDNA libraries, prepared from fetal lung, fetal kidney, fetal brain, fetal liver and fetal retina. The encoded polypeptides have specific uses based on their homology to known polypeptides, e.g. PRO211 and PRO217 can be used for disorders associated with the preservation and maintenance of gastrointestinal mucosa and the repair of acute and chronic mucosal lesions (e.g. enterocolitis, Zollinger-Ellison syndrome, gastrointestinal ulceration and congenital microvillus atrophy), skin diseases associated with abnormal keratinocyte differentiation (e.g., psoriasis, epithelial cancers such as lung squamous cell carcinoma of the vulva and gliomas), potent effects on cell growth and development, diseases related to growth or survival of nerve cells including Parkinson's disease, Alzheimer's disease, ALS, neuropathies or cancer. PRO265 can be used as for fibromodulin, e.g. for reducing dermal scarring. PRO264 can be used as a target for anti-tumor drugs. PRO533 may be used in the treatment of Usher Syndrome or Atrophy areata; PRO269 can be used as an anti-thrombotic agent; PRO287 polypeptides and portions may have therapeutic applications in wound healing and tissue repair; PRO317 can be used for treating problems of the kidney, uterus, endometrium, blood vessels, or related tissue, e.g. in the heart of genital tract
 XX
 SQ Sequence 1572 BP; 499 A; 254 C; 330 G; 489 T; 0 U; 0 Other;

Query Match 100%; Score 957; DB 2; Length 1572;
 Best Local Similarity 100%; Pred. No. 7.8e-263;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGTTTCTGAAAGCAGCTCCCTTGTGAGGCTGTGATGCTTGGAAGCATTTCTGCT 60
 Db 81 ATGTTTCTGAAAGCAGCTCCCTTGTGAGGCTGTGATGCTTGGAAGCATTTCTGCT 140
 Qy 61 TTGATCACTATGCTAGGACACATTAGGATTTGCTGATGAAATAGGATGCAACCCATGAG 120
 Db 141 TTGATCACTATGCTAGGACACATTAGGATTTGCTGATGAAATAGGATGCAACCCATGAG 200
 Qy 121 CATCATCACCTAACAGCTCTAACAAAGAGATACTGAAATACTGAGGATGAGC 180
 Db 201 CATCATCACCTAACAGCTCTAACAAAGAGATACTGAAATACTGAGGATGAGC 260
 Qy 181 ATGGAGCTCAGTAAGAGCTTGGAGTACTGTTATCTGTTAAACCCAAAGATG 240
 Db 261 ATGGAGCTCAGTAAGAGCTTGGAGTACTGTTATCTGTTAAACCCAAAGATG 320
 Qy 241 AGCTTTCGGCTGAGTAAAGGAGACTTGGACCAAACACTGCAAAAGCAGTTTC 300
 Db 321 AGCTTTCGGCTGAGTAAAGGAGACTTGGACCAAACACTGCAAAAGCAGTTTC 380
 Qy 301 AGCTCTGAAAGTGTAAAGTGTGAGTCATAATACTGACAAATGACATGTTG 360

Db 381 AGTTCTGAAAGTGTGAGTCATAATACTGACAAATGACATGTTG 440
 Qy 361 ATGATGAGAAAAGCTTACAATACGCCCTTGTAGTATAGAGACCATAACTGGTC 420
 Db 441 ATGATGAGAAAAGCTTACAATACGCCCTTGTAGTATAGAGACCATAACTGGTC 500
 Qy 421 TTCTTGTGAGGCCCTACTGTTGCTATCATGAAACCTAAAGTATTGTTGTTAAA 480
 Db 501 TTCTTGTGAGGCCCTACTGTTGCTATCATGAAACCTAAAGTATTGTTGTTAAA 560
 Qy 481 AAGGATCCATCACGCCCTCTATCTAGGCACTATATAAACTGAGACCTTGGAT 540
 Db 561 AAGGATCCATCACGCCCTCTATCTAGGCACTATATAAACTGAGACCTTGGAT 620
 Qy 541 GTGGGTATGAAAGGAGAAATTGCTGTTAGTAACTGAAAGACCTTACGCCCTT 600
 Db 621 GTGGGTATGAAAGGAGAAATTGCTGTTAGTAACTGAAAGACCTTACGCCCTT 680
 Qy 601 CTCAATATCCCAGAAAAGTGTCTGAAACAGGGAGGATTTGAGAGATCTGAGAT 660
 Db 681 CTCAATATCCCAGAAAAGTGTCTGAAACAGGGAGGATTTGAGAGATCTGAGAT 740
 Qy 661 AACAGCTAGCAGTTGCTGAAATGCTGAGTATTGAGAAAATGCAAGAGATGCT 720
 Db 741 AACAGCTAGCAGTTGCTGAAATGCTGAGTATTGAGAAAATGCAAGAGATGCT 800
 Qy 721 GATGAAAAGATGTTATACTAACAAATCTGTTGGCTTCTTATGAAAGGCAATGACT 780
 Db 801 GATGAAAAGATGTTATACTAACAAATCTGTTGGCTTCTTATGAAAGGCAATGACT 860
 Qy 781 TATCACCCCCAACGGAGTAGAGGCTGTGTTCTGAGATATGGCTGTTACTTTAAATGGA 840
 Db 861 TATCACCCCCAACGGAGTAGAGGCTGTGTTCTGAGATATGGCTGTTACTTTAAATGGA 920
 Qy 841 CTGACTCAAATCAGATGATGATGTTGGGCTATAACGCCCTTGGGCTTACGGCTT 900
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 Qy 901 CATATTTCAATGATGCAATGGTTCTTACCTCCAAATGGCTTCTGAAATGACTG 957
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RESULT 5
ADC78652

ID ADC78652 standard; cDNA; 1572 BP.

XX

AC ADC78652;

XX

DT 01-JAN-2004 (first entry)

XX

DE Human PRO310 cDNA.

XX

KW antiinflamatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian; nootropic; neuroprotective; vasotropics; chemotactic; angiogenic; neurotrophic; osteopathic; antiarthritic; antiarthritic; antirheumatic; antiarteriosclerotic; cardiant; antidiabetic; cerebroprotective;

XX thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;
XX gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;
XX Alzheimer's; ALS; neuropathy; dermal scarring; wound healing;
XX nerve repair; thrombosis; bone; cartilage formation; angiogenesis;
XX asthma; rheumatoid arthritis; multiple sclerosis; inflammatory disorder;
XX atherosclerosis; cardiac injury; infertility; premature aging; AIDS;
XX diabetes; stroke; gene therapy; transgenic; PRO; human; ss; gene.
XX
OS Homo sapiens.
XX
PN WO200015796-A2.
XX
PD 23-MAR-2000.
XX
PF 15-SEP-1999; 99WO-US021090.
XX
PR 16-SEP-1998; 98WO-US019330.
XX
PA (GUTH) GENENTECH INC.
XX
PI Chen J, Goddard A, Gurney AL, Hillian K, Pennica D, Wood WI;
PI Yuan J;
XX
DR WPI; 2000-271434/23.
DR P-PSDB; ADC78653.
XX
PT Novel nucleic acids encoding secreted and transmembrane polypeptides with
PT homology, e.g. to growth and cancer-associated antigens.
XX
PS Claim 2: SEQ ID NO 340; 355pp; English.
XX
CC The invention relates to a novel nucleic acid encoding a PRO polypeptide.
CC The polypeptides and polynucleotides of the invention may be useful as
CC research tools and as therapeutics for treating enterocolitis, Zollinger-
CC Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,
CC Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal
CC scarring and wound healing, nerve repair, thrombosis, bone and/or
CC cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple
CC sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,
CC infertility, premature aging, AIDS, diabetes complications and stroke.
CC The molecules may also be utilised during gene therapy procedures and
CC transgenic animal production. The current sequence is that of the human
CC PRO cDNA of the invention.
XX
SQ Sequence 1572 BP; 499 A; 254 C; 330 G; 489 T; 0 U; 0 Other;

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 7.8e-263;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 621 GTGGGTATGAAAGGAGGAATTTGTCTTAAAGTGTAAATCAATGAAAAGACTTACAGCTT 680
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DB 681 CTCAATATCCAGAAAAAGTGTCTGAAACAGGAGGGATGATTGGAAAGATATCTGAAAT 740
Qy 661 AAAACAGCTAGCAGTTGGCTGAAATATGCTGGATTTTGAGAAAATGCAAGAGATGCT 720
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Qy 781 TATCACCCACCCAGTAGAAGCTGTTTCAGATATGGCTGTTACTTTAAATGCA 840
DB 861 TATCACCCACCCAGTAGAAGCTGTTTCAGATATGGCTGTTACTTTAAATGCA 920
Qy 841 CTGACTCCAAATCAGATGCTGATGATGCTATGGGTATACCGCTTAGGGCATTGGG 900
DB 921 CTGACTCCAAATCAGATGCTGATGATGCTATGGGTATACCGCTTAGGGCATTGGG 980
Qy 901 CATATTTCAATGATGCAATGGTTCTACCTCCAATGGTTCTGACAATGACTGA 957
DB 981 CATATTTCAATGATGCAATGGTTCTACCTCCAATGGTTCTGACAATGACTGA 1037

OM nucleic - nucleic search, using sw model

Run on: April 7, 2006, 00:23:36 : Search time 221 Seconds
(without alignments)
7697.405 Million cell updates/sec

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Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs. 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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9: /cgn2_6/podata/1/ina/backfile1.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	No.	Score	Query	Match	Length	DB	ID	Description
1	957	100.0	1572	3	US-09-907-794A-340	Sequence 340, App		
2	957	100.0	1572	3	US-09-905-125A-340	Sequence 340, App		
3	957	100.0	1572	3	US-09-902-775A-340	Sequence 340, App		
4	957	100.0	1572	3	US-09-906-700-340	Sequence 340, App		
5	957	100.0	1572	3	US-09-903-603A-340	Sequence 340, App		
6	957	100.0	1572	3	US-09-904-920A-340	Sequence 340, App		
7	957	100.0	1572	3	US-09-905-064-340	Sequence 340, App		
8	957	100.0	1572	3	US-09-905-381A-340	Sequence 340, App		

9	957	100.0	1572	3	US-09-906-618-340	Sequence 340, App
10	957	100.0	1572	3	US-09-906-646-340	Sequence 340, App
11	957	100.0	1572	3	US-09-904-462-340	Sequence 340, App
12	957	100.0	1572	3	US-09-902-735A-340	Sequence 340, App
13	957	100.0	1572	3	US-09-906-722A-340	Sequence 340, App
14	955.4	99.8	1477	3	US-09-620-312D-831	Sequence 831, App
15	420	43.9	604	3	US-09-513-999C-1156	Sequence 1156, App
16	420	43.9	605	3	US-09-513-999C-1157	Sequence 1157, App
17	53	5.5	1092	3	US-09-464-035A-12	Sequence 12, Appl
18	53	5.5	1560	3	US-09-976-594-298	Sequence 298, App
19	53	5.5	1794	3	US-09-464-035A-2	Sequence 2, Appl
20	50	5.2	50	3	US-09-907-794A-345	Sequence 345, App
21	50	5.2	50	3	US-09-905-125A-345	Sequence 345, App
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26	50	5.2	50	3	US-09-905-064-345	Sequence 345, App
27	50	5.2	50	3	US-09-905-381A-345	Sequence 345, App
28	50	5.2	50	3	US-09-906-618-345	Sequence 345, App
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30	50	5.2	50	3	US-09-904-462-345	Sequence 345, App
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33	46.6	4.9	1092	3	US-09-464-035A-13	Sequence 13, Appl
34	46.6	4.9	1440	3	US-09-464-035A-4	Sequence 4, Appl
35	44.8	4.7	1170	3	US-09-464-035A-15	Sequence 15, Appl
36	44.8	4.7	1172	3	US-09-464-035A-8	Sequence 8, Appl
37	42.2	4.4	478	3	US-09-270-767-1992	Sequence 1992, App
38	42.2	4.4	478	3	US-09-270-767-17274	Sequence 17274, App
39	41.6	4.3	1092	3	US-09-464-035A-14	Sequence 14, Appl
40	41.6	4.3	1469	3	US-09-464-035A-6	Sequence 6, Appl
c 41	40	4.2	7218	2	US-08-232-463-14	Sequence 14, Appl
c 42	39.6	4.1	4437	3	US-09-487-558B-51	Sequence 51, Appl
c 43	38.8	4.1	3030	3	US-09-693-146-3	Sequence 3, Appl
c 44	38.6	4.0	2836	3	US-09-157-257-3	Sequence 3, Appl
c 45	38.4	4.0	1497	3	US-09-220-132-94	Sequence 94, Appl

ALIGNMENTS

RESULT 1
US-09-907-794A-340
; Sequence 340, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter

; TYPES: DNA
; ORGANISM: Homo Sapien
US-09-907-794A-340
Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.le-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTTGATGCTTGAGCATTTCTGTGCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCCCTTTTGAAGGGTGTTGATGCTTGAGCATTTCTGTGCT 140
Qy 61 TTGATCACTACTATGCTAGGACACATTAGGATTTGGTCATGGAAATAGATGACCCACATGAG 120
Db 141 TTGATCACTACTATGCTAGGACACATTAGGATTTGGTCATGGAAATAGATGACCCACATGAG 200
Qy 121 CATCATCACTACAGCTCTAACAAAGAGATATCTGAAAATTTGAGGGATGAGGCC 180
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Qy 161 ATGGAGCTGAGTAAGGACTTCTGAGTATACTGTTAAACCGAAAGATCTG 240
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; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same
; FILE REFERENCES: 10466-14
; CURRENT APPLICATION NUMBER: US/09-907,794A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 340
; LENGTH: 1572

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Qy 781 TATCCCCAACAGTAGTAAAGCCTGGCTTCAAGATAAGCTTACTTTAATGGA 840
Db 861 TATCCCCAACAGTAGTAAAGCCTGGCTTCAAGATAAGCTTACTTTAATGGA 920
Qy 841 CTGACTCCAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
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Qy 901 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 957
Db 981 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1037

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RESULT 2
US-09-905-125A-340
; Sequence 340, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kjelvin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William J.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/905,125A
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26

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; PRIOR APPLICATION NUMBER: US 60/146,222  

; PRIOR FILING DATE: 1999-07-28  

; PRIOR APPLICATION NUMBER: PCT/US99/20594  

; PRIOR FILING DATE: 1999-09-08  

; PRIOR APPLICATION NUMBER: PCT/US99/20944  

; PRIOR FILING DATE: 1999-09-13  

; PRIOR APPLICATION NUMBER: PCT/US99/21090  

; PRIOR FILING DATE: 1999-09-15  

; PRIOR APPLICATION NUMBER: PCT/US99/21547  

; PRIOR FILING DATE: 1999-09-15  

; PRIOR APPLICATION NUMBER: PCT/US99/23089  

; PRIOR FILING DATE: 1999-10-05  

; PRIOR APPLICATION NUMBER: PCT/US99/28214  

; PRIOR FILING DATE: 1999-11-29  

; PRIOR APPLICATION NUMBER: PCT/US99/28313  

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; PRIOR APPLICATION NUMBER: PCT/US99/28564  

; PRIOR FILING DATE: 1999-12-02  

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; PRIOR FILING DATE: 1999-12-20  

; PRIOR APPLICATION NUMBER: PCT/US99/30999  

; PRIOR FILING DATE: 1999-12-20  

; PRIOR APPLICATION NUMBER: PCT/US00/00219  

; PRIOR FILING DATE: 2000-01-05  

NUMBER OF SEQ ID NOS: 423  

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; LENGTH: 1572  

; TYPE: DNA  

; ORGANISM: Homo Sapien  

US-09-905-125A-340

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Query Match          100.0% Score 957; DB 3; Length 1572;
Best Local Similarity 100.0% Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy      1 ATGTTCTGAAAGCAGCTCCCTTTGAGGGCTTGATGCTTGGAGGATTTCTGCT 60
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Qy      181 ATGGAGCTCGAGTAAGAGCTTTCAGTATACTCTTATTATCTGTAAAAACCAAAGATGTG 240
Db      261 ATGGAGCTCGAGTAAGAGCTTTCAGTATACTCTTATTATCTGTAAAAACCAAAGATGTG 320
Qy      241 AGTCTTGGCTGCAGTAAAGGAGACTTGGACCAACACTGTGACAAGCAGCTTC 300

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Db 501 TTCTTGAAGGCCCACTACGTTTGTATCATGAAACCTAAAGTATTTTTGTTAAAAA 560
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Db 561 AAGGATCCATCACAGCCCTTCTATCTAGGCCCACTATAAAATCTGGAGACCTTGAAT 620
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Db 621 GTGGGTATGGAGGGAAATGTCTTAAAGTGTAGATCATGAAAAGACTTACAGCCTT 680
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Db 681 CTCATATCCCAAGAAAAGTGTCTGACAGGGAGGTGATTTGGAGAGATCTGAGAT 740
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Qy 781 TATCCCCAACAGTAGTAAAGCCTGGCTTCAAGATAAGCTTACTTTAATGGA 840
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Db 921 CTGACTCCAATCAGATGATGATGATGATGATGATGATGATGATGATGATGATG 980
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Db 981 CATATTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1037

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RESULT 3
US-09-902-775A-340
; Sequence 340, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.

```

; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kjelvin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William J.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/902,775A
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20

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PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-902-775A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCTTGTGAAGGGTGTGATGCTTGGAAAGCATTTCTGTCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCTTGTGAAGGGTGTGATGCTTGGAAAGCATTTCTGTCT 140
Qy 61 TTGATCACTATGCTAGAACACATTAGGATTTGCTATGAAATAGAACCCATGAG 120
Db 141 TTGATCACTATGCTAGAACACATTAGGATTTGCTATGAAATAGAACCCATGAG 200
Qy 121 CATCATCACCTACAGCTCTAACAGAGAGATACTTGAAAATTTCAAGGATGAGGCC 180
Db 201 CATCATCACCTACAGCTCTAACAGAGAGATACTTGAAAATTTCAAGGATGAGGCC 260
Qy 181 ATGGAGCTCGTAAGAGCTTGGAGTATACTTATTTCTTGTAAAACCAAAGATGTG 240
Db 261 ATGGAGCTCGTAAGAGCTTGGAGTATACTTATTTCTTGTAAAACCAAAGATGTG 320
Qy 241 AGCTTGTGGCTCGAGTAAAGGAGACTTGGACCAACACTGTGACAAGCAGAGTCCTC 300
Db 321 AGCTTGTGGCTCGAGTAAAGGAGACTTGGACCAACACTGTGACAAGCAGAGTCCTC 380
Qy 301 AGTTCTGAAAATGTTAAAGTGTGACTTAAATATGACACAAATGACATGTGTTA 360
Db 381 AGTTCTGAAAATGTTAAAGTGTGACTTAAATATGACACAAATGACATGTGTTA 440
Qy 361 ATGATGAGAAAAGCTTACAATACGCCCTTGTAGATAAGTATAGAGACCAACACTGGTT 420
Db 441 ATGATGAGAAAAGCTTACAATACGCCCTTGTAGATAAGTATAGAGACCAACACTGGTT 500
Qy 421 TTCTTGCAGGCCCTACTGTTGCTATCATGAAACCTAAAGTATTTTGTAAAA 480
Db 501 TTCTTGCAGGCCCTACTGTTGCTATCATGAAACCTAAAGTATTTTGTAAAA 560
Qy 481 AAGGATCCATCACGCCCTCATGAGCCCACTATAAACTCGAGACCTTGAAAT 540
Db 561 AAGGATCCATCACGCCCTCATGAGCCCACTATAAACTCGAGACCTTGAAAT 620
Qy 541 GTGGGTATGGAAGGAGGAATTGCTTAAAGTGTGAAATCAATGAAAGACTTAAAGCCTT 600
Db 621 GTGGGTATGGAAGGAGGAATTGCTTAAAGTGTGAAATCAATGAAAGACTTAAAGCCTT 680
Qy 601 CTCATATCCCAGAAAAGTGTCTGAAACAGGGAGGGATGATTGGAGATATCTGAAGAT 660
Db 681 CTCATATCCCAGAAAAGTGTCTGAAACAGGGAGGGATGATTGGAGATATCTGAAGAT 740

Qy 661 AAAACAGCTAGAGCTTGGCTGAAATATGCTGGAGTATTTCAGAAAAATGCAAGAGATGCT 720
Db 741 AAAACAGCTAGAGCTTGGCTGAAATATGCTGGAGTATTTCAGAAAAATGCAAGAGATGCT 800
Qy 721 GATGAAAAGATGTATTAAATACCAAACTGTGAGCTTGGCTTCTTAAAGAGGAAATGACT 780
Db 801 GATGAAAAGATGTATTAAATACCAAACTGTGAGCTTGGCTTCTTAAAGAGGAAATGACT 860
Qy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTGAGTATGGCTGTACTTTAAATGGA 840
Db 861 TATCACCCCAACAGGTAGTAGAAGGCTGTGAGTATGGCTGTACTTTAAATGGA 920
Qy 841 CTGACTCCAAATCAGATGCACTGTGATGAGTATGGGTATAACGCCCTTGGGG 900
Db 921 CTGACTCCAAATCAGATGCACTGTGATGAGTATGGGTATAACGCCCTTGGGG 980
Qy 901 CTCATATCCCAGAAAAGTGTCTGAAATGGCTTCTTACCCAAATGGCTGTGAAATGACTGA 957
Db 981 CTCATATCCCAGAAAAGTGTCTGAAATGGCTTCTTACCCAAATGGCTGTGAAATGACTGA 1037

RESULT 4
US-09-906-700-340
Sequence 340, Application US/0906700
Patent No. 6723535
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Denehy, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrare, Napoleone
APPLICANT: Filzovar, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary S.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kjavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paozi, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acid Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/06700
CURRENT FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414

PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-700-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.1e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGCTTTCTGAAAGCAGCTCTTGTGAAGGGTGTGATGCTTGGAAAGCATTTCTGTCT 60
Db 81 ATGCTTTCTGAAAGCAGCTCTTGTGAAGGGTGTGATGCTTGGAAAGCATTTCTGTCT 140
Qy 61 TTGATCACTATGCTAGAACACATTAGGATTTGCTATGAAATAGAACCCATGAG 120
Db 141 TTGATCACTATGCTAGAACACATTAGGATTTGCTATGAAATAGAACCCATGAG 200
Qy 121 CATCATCACCTACAGCTCTAACAGAGATACTTGAAAATTCAGGGATGAGGCC 180
Db 201 CATCATCACCTACAGCTCTAACAGAGATACTTGAAAATTCAGGGATGAGGCC 260
Qy 181 ATGGAGCTCGAGTAAAGGAGCTTGGAGTATACTGTTAAAGGAGCTTGGGG 240
Db 261 ATGGAGCTCGAGTAAAGGAGCTTGGAGTATACTGTTAAAGGAGCTTGGGG 320
Qy 301 AGTCTTGGCTCGAGTAAAGGAGACTTGGACAAACACTGTGACAAGCAGAGTCCTC 300
Db 381 AGTCTTGGCTCGAGTAAAGGAGACTTGGACAAACACTGTGACAAGCAGAGTCCTC 380
Qy 361 ATGATGAGAAAAGCTTACAATACGCCCTTGTAGATAAGTATAGAGACCAACACTGGTT 420
Db 441 ATGATGAGAAAAGCTTACAATACGCCCTTGTAGATAAGTATAGAGACCAACACTGGTT 500
Qy 421 TTCTTGCAGGCCCTACTGTTGCTATCATGAAACCTAAAGTATTTTGTAAAA 480
Db 501 TTCTTGCAGGCCCTACTGTTGCTATCATGAAACCTAAAGTATTTTGTAAAA 560
Qy 481 AAGGATCCATCACGCCCTCATGAGCCCACTATAAACTCGAGACCTTGAAAT 540
Db 561 AAGGATCCATCACGCCCTCATGAGCCCACTATAAACTCGAGACCTTGAAAT 620
Qy 541 GTGGGTATGGAAGGAGGAATTGCTTAAAGTGTGAAATCAATGAAAGACTTAAAGCCTT 600
Db 621 GTGGGTATGGAAGGAGGAATTGCTTAAAGTGTGAAATCAATGAAAGACTTAAAGCCTT 680
Qy 601 CTCATATCCCAGAAAAGTGTCTGAAACAGGGAGGGATGATTGGAGATATCTGAAGAT 660
Db 681 CTCATATCCCAGAAAAGTGTCTGAAACAGGGAGGGATGATTGGAGATATCTGAAGAT 740
Qy 661 AAAACAGCTAGAGCTTGGCTGAAATATGCTGGAGTATTTCAGAAAAATGCAAGAGATGCT 720
Db 741 AAAACAGCTAGAGCTTGGCTGAAATATGCTGGAGTATTTCAGAAAAATGCAAGAGATGCT 800
Qy 721 GATGAAAAGATGTATTAAATACCAAACTGTGAGCTTGGCTTCTTAAAGAGGAAATGACT 780
Db 801 GATGAAAAGATGTATTAAATACCAAACTGTGAGCTTGGCTTCTTAAAGAGGAAATGACT 860
Qy 781 TATCACCCCAACAGGTAGTAGAAGGCTGTGAGTATGGCTGTACTTTAAATGGA 840
Db 861 TATCACCCCAACAGGTAGTAGAAGGCTGTGAGTATGGCTGTACTTTAAATGGA 920
Qy 841 CTGACTCCAAATCAGATGCACTGTGATGAGTATGGGTATAACGCCCTTGGGG 900
Db 921 CTGACTCCAAATCAGATGCACTGTGATGAGTATGGGTATAACGCCCTTGGGG 980
Qy 901 CTCATATCCCAGAAAAGTGTCTGAAATGGCTTCTTACCCAAATGGCTGTGAAATGACTGA 957
Db 981 CTCATATCCCAGAAAAGTGTCTGAAATGGCTTCTTACCCAAATGGCTGTGAAATGACTGA 1037

RESULT 5
US-09-903-603A-340
Sequence 340, Application US/0903603A
Patent No. 6767995
GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: DeMayo, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillian, Kenneth J.
 ; APPLICANT: Kjelvin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: GNE.161B2C12
 ; CURRENT APPLICATION NUMBER: US/09/903,603A
 ; CURRENT FILING DATE: 2001-07-11
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095

; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 340
 ; LENGTH: 1572
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-09-903-603A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
 Best Local Similarity 100.0%; Pred. No. 1.1e-279;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAGACAGCTCTTTTGAAAGGTGTGCTTGGAAATAGCTGAGAT 60
 |||||
 Db 81 ATGCTTTCTGAAGACAGCTCTTTTGAAAGGTGTGCTTGGAAATAGCTGAGAT 140

Oy 61 TTGATCACTATGCTAGAACACATTAGGATTGGTCATGAAATAGAAATGACACATGAG 120
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 Db 141 TTGATCACTATGCTAGAACACATTAGGATTGGTCATGAAATAGAAATGACACATGAG 200

Oy 121 CATCATCACCTACAGCTCTAACAAAGAAATATCTGAAATAGAAATGACACATGAG 180
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 Db 201 CATCATCACCTACAGCTCTAACAAAGAAATATCTGAAATAGAAATGACACATGAG 260

Oy 181 ATGGAGCTCAGTAAGAGCTTCCAGTATACTGTATTATCTGTTAAAACCACAAAGATGTG 240
 |||||
 Db 261 ATGGAGCTCAGTAAGAGCTTCCAGTATACTGTATTATCTGTTAAAACCACAAAGATGTG 320

Oy 241 AGTCTTTGGCTGAGTAAAGGAGACTTGGACCAAACACTGTGACAAAGCAGAGTTCTTC 300
 |||||
 Db 321 AGTCTTTGGCTGAGTAAAGGAGACTTGGACCAAACACTGTGACAAAGCAGAGTTCTTC 380

Oy 301 AGTCTGAAAATGTTAAAGTGTGAGTCATTAAATATGGAACAATGACATGTGTTTA 360
 |||||
 Db 381 AGTCTGAAAATGTTAAAGTGTGAGTCATTAAATATGGAACAATGACATGTGTTTA 440

Oy 361 ATGATGAGAAAAGCTAACAAATGCCCTTGTAGTATAGAGACCAATACACTGTTTC 420
 |||||
 Db 441 ATGATGAGAAAAGCTAACAAATGCCCTTGTAGTATAGAGACCAATACACTGTTTC 500

Oy 421 TTCCCTGAGGCCCTAACAGTTGTCTATCTAGGAACTTAACTGAAATGTTTTGTTAAA 480
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 Db 501 TTCCCTGAGGCCCTAACAGTTGTCTATCTAGGAACTTAACTGAAATGTTTTGTTAAA 560

Oy 481 AAGGATCAATCACAGCTTCTATCTAGGCCACTATAAACTGAGACCTTGTGAGATAT 540
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 Db 561 AAGGATCAATCACAGCTTCTATCTAGGCCACTATAAACTGAGACCTTGTGAGATAT 620

Oy 541 GTGGGTATGGAAGGAGAATTGCTTAAGTGTAGAATCAATGAAAGACTAACAGCCTT 600
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 Db 621 GTGGGTATGGAAGGAGAATTGCTTAAGTGTAGAATCAATGAAAGACTAACAGCCTT 680

Oy 601 CTCATATCCAGAAAAGTGTCTGAAACAGGGAGGGATGATTGGAGATATCTGAAGAT 660
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 Db 681 CTCATATCCAGAAAAGTGTCTGAAACAGGGAGGGATGATTGGAGATATCTGAAGAT 740

Oy 661 AAACAGCTAGCAGTTGCTGAAATATGCTGAGATTGGAGAAAATGAGTGT 720
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 Db 741 AAACAGCTAGCAGTTGCTGAAATATGCTGAGATTGGAGAAAATGAGTGT 800

Oy 721 GATGAAAAGATGTATTAAACCAATCTGTGGCTTCTATTAAGAGGCATGACT 780
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 Db 801 GATGAAAAGATGTATTAAACCAATCTGTGGCTTCTATTAAGAGGCATGACT 860

Oy 781 TATCCCCAACCGGTAGAGAAGCTGTGTTCAGATATGGCTGGTACTTTATGGA 840
 |||||
 Db 861 TATCCCCAACCGGTAGAGAAGCTGTGTTCAGATATGGCTGGTACTTTATGGA 920

Oy 841 CTGACTCCAAATCAGATGCTGATGATGATGGGTATACGGCCATTAGGCATTGG 900
 |||||
 Db 921 CTGACTCCAAATCAGATGCTGATGATGATGATGGGTATACGGCCATTAGGCATTGG 980

Oy 901 CATACTTCAATGATGCTGATGGTTCTACCTCCAAATGGTCTGACATGACTGA 957
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 Db 981 CATACTTCAATGATGCTGATGGTTCTACCTCCAAATGGTCTGACATGACTGA 1037

RESULT 6
 US-09-904-920A-340
 ; Sequence 340, Application US/0904920A

; Patent No. 6806352
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: DeMayo, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillian, Kenneth J.
 ; APPLICANT: Kjelvin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/904,920A
 ; CURRENT FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 340
 ; LENGTH: 1572
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-09-904-920A-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
 Best Local Similarity 100.0%; Pred. No. 1.1e-279;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATGCTTTCTGAAGACAGCTCTTTTGAAAGGTGTGCTTGGAAATAGAAATGACACATGAG 60
 |||||
 Db 81 ATGCTTTCTGAAGACAGCTCTTTTGAAAGGTGTGCTTGGAAATAGAAATGACACATGAG 140

Oy 61 TTGATCACTATGCTAGAACACATTAGGATTGGTCATGAAATAGAAATGACACATGAG 120
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 Db 141 TTGATCACTATGCTAGAACACATTAGGATTGGTCATGAAATAGAAATGACACATGAG 200

Oy 121 CATCATCACCTACAAGCTCTAACAAAGAAGATATCTGAAAATTTCAGAGGTGAGCGC 180
 Db 201 CATCATCACCTACAAGCTCTAACAAAGAAGATATCTGAAAATTTCAGAGGTGAGCGC 260
 Oy 181 ATGGAGCTCAAGTAAAGAGCTTGGAGTATACTGTTATCTTGTAAAACCCAAAGATGTG 240
 Db 261 ATGGAGCTCAAGTAAAGAGCTTGGAGTATACTGTTATCTTGTAAAACCCAAAGATGTG 320
 Oy 241 AGCTTTGGCTCAGTAAAGAGACTTGGACCAAACACTGTGCAAAAGCAGAGTTCTC 300
 Db 321 AGCTTTGGCTCAGTAAAGAGACTTGGACCAAACACTGTGCAAAAGCAGAGTTCTC 380
 Oy 301 AGCTCTGAAAATGTTAAAGTGTGAGTCATTAATATGGACACAAATGACATGTGGTTA 360
 Db 381 AGCTCTGAAAATGTTAAAGTGTGAGTCATTAATATGGACACAAATGACATGTGGTTA 440
 Oy 361 ATGATGAGAAAAGCTTACAATAGGCCCTTGATAAGTATAGAGACCAATACAATGGTTC 420
 Db 441 ATGATGAGAAAAGCTTACAATAGGCCCTTGATAAGTATAGAGACCAATACAATGGTTC 500
 Oy 421 TTCCCTGAGCGCCCACTAGGTTGCTATCATGAAAACCTAAAGTATTTTTGTTAAA 480
 Db 501 TTCCCTGAGCGCCCACTAGGTTGCTATCATGAAAACCTAAAGTATTTTTGTTAAA 560
 Oy 481 AAGGATCATAACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTGAAATAT 540
 Db 561 AAGGATCATAACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTGAAATAT 620
 Oy 541 GTGGGTATGGAAGGGAATTGCTTAAAGTGTAGAATCAATGAAAAGACTTACAGCCTT 600
 Db 621 GTGGGTATGGAAGGGAATTGCTTAAAGTGTAGAATCAATGAAAAGACTTACAGCCTT 680
 Oy 601 CTCATATCCAGAAAAGTGTCTGAGCAGGGAGGATGTTGGAGATATCTGAGAT 660
 Db 681 CTCATATCCAGAAAAGTGTCTGAGCAGGGAGGATGTTGGAGATATCTGAGAT 740
 Oy 661 AACAGCTAGCAGTTGCTGAAATGTCGAGTTTGCAGAAAATGCAAGAGATGCT 720
 Db 741 AACAGCTAGCAGTTGCTGAAATGTCGAGTTTGCAGAAAATGCAAGAGATGCT 800
 Oy 721 GATGGAAAAGATGTATTAAACCAAACTGTGTTGGCTTCTATTAAAGAGGCAATGACT 780
 Db 801 GATGGAAAAGATGTATTAAACCAAACTGTGTTGGCTTCTATTAAAGAGGCAATGACT 860
 Oy 781 TATCACCCCCAACAGTAGTAAAGGCTGTTGTCAGATATGGCTTACTTTAAATGGA 840
 Db 861 TATCACCCCCAACAGTAGTAAAGGCTGTTGTCAGATATGGCTTACTTTAAATGGA 920
 Oy 841 CTGACTCCAAATCAGATGCTATGATGATGTTGGGTATACCCCCTAGGGCATTTGGG 900
 Db 921 CTGACTCCAAATCAGATGCTATGATGATGTTGGGTATACCCCCTAGGGCATTTGGG 980
 Oy 901 CATATTTCAATGATGATGTTGTTCTTACCTCCAAATGGTCTGAAATGACTG 957
 Db 981 CATATTTCAATGATGATGTTGTTCTTACCTCCAAATGGTCTGAAATGACTG 1037

RESULT 7
 US-09-909-064-340
 ; Sequence 340, Application US/09909064
 ; Patent No. 6818449
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kijavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tomas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/909,064
 ; CURRENT FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30

; PRIORITY APPLICATION NUMBER: PCT/US99/28564
 ; PRIORITY FILING DATE: 1999-12-02
 ; PRIORITY APPLICATION NUMBER: PCT/US99/28565
 ; PRIORITY FILING DATE: 1999-12-02
 ; PRIORITY APPLICATION NUMBER: PCT/US99/30095
 ; PRIORITY FILING DATE: 1999-12-16
 ; PRIORITY APPLICATION NUMBER: PCT/US99/30911
 ; PRIORITY FILING DATE: 1999-12-20
 ; PRIORITY APPLICATION NUMBER: PCT/US99/30999
 ; PRIORITY FILING DATE: 1999-12-20
 ; PRIORITY APPLICATION NUMBER: PCT/US00/00219
 ; PRIORITY FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 340
 ; LENGTH: 1572
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-09-909-064-340
 Query Match 100.0%; Score 957; DB 3; Length 1572;
 Best Local Similarity 100.0%; Pred. No. 1.1e-279;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ATGCTTTCTGAAAGCAGCTCTTGGAGGCTGTATGCTTGGAGCAATTCTGTCT 60
 Db 81 ATGCTTTCTGAAAGCAGCTCTTGGAGGCTGTATGCTTGGAGCAATTCTGTCT 140
 Qy 61 TTGATCACTATGCTAGGACACATTAGGATTGGTCTATGAAATAGATGACACCATCTAG 120
 Db 141 TTGATCACTATGCTAGGACACATTAGGATTGGTCTATGAAATAGATGACACCATCTAG 200
 Qy 121 CATCATCACCTACAAGCTCTAACAAAGAAGATATCTGAAAATTTCAGAGGTGAGCGC 180
 Db 201 CATCATCACCTACAAGCTCTAACAAAGAAGATATCTGAAAATTTCAGAGGTGAGCGC 260
 Oy 181 ATGGAGCTCAAGTAAAGAGCTTGGAGTATACTGTTATCTTGTAAAACCCAAAGATGTG 240
 Db 261 ATGGAGCTCAAGTAAAGAGCTTGGAGTATACTGTTATCTTGTAAAACCCAAAGATGTG 320
 Qy 241 AGCTTTGGCTCAGTAAAGAGACTTGGACCAAACACTGTGCAAAAGCAGAGTTCTC 300
 Db 321 AGCTTTGGCTCAGTAAAGAGACTTGGACCAAACACTGTGCAAAAGCAGAGTTCTC 380
 Qy 301 AGCTCTGAAAATGTTAAAGTGTGAGTCATTAATATGGACACAAATGACATGTGGTTA 360
 Db 381 AGCTCTGAAAATGTTAAAGTGTGAGTCATTAATATGGACACAAATGACATGTGGTTA 440
 Qy 361 ATGATGAGAAAAGCTTACAATAGGCCCTTGTATAAGTATAGAGACCAATACAATGGTTC 420
 Db 441 ATGATGAGAAAAGCTTACAATAGGCCCTTGTATAAGTATAGAGACCAATACAATGGTTC 500
 Qy 421 TTCCCTGAGCGCCCACTAGGTTGCTATCATGAAAACCTAAAGTATTTTTGTTAAA 480
 Db 501 TTCCCTGAGCGCCCACTAGGTTGCTATCATGAAAACCTAAAGTATTTTTGTTAAA 560
 Qy 481 AAGGATCATAACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTGAAATAT 540

; PRIORITY APPLICATION NUMBER: PCT/US99/28564
 ; PRIORITY FILING DATE: 1999-12-02
 ; PRIORITY APPLICATION NUMBER: PCT/US99/28565
 ; PRIORITY FILING DATE: 1999-12-02
 ; PRIORITY APPLICATION NUMBER: PCT/US99/30095
 ; PRIORITY FILING DATE: 1999-12-16
 ; PRIORITY APPLICATION NUMBER: PCT/US99/30911
 ; PRIORITY FILING DATE: 1999-12-20
 ; PRIORITY APPLICATION NUMBER: PCT/US99/30999
 ; PRIORITY FILING DATE: 1999-12-20
 ; PRIORITY APPLICATION NUMBER: PCT/US00/00219
 ; PRIORITY FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 561
 ; LENGTH: 1572
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-09-905-381A-340
 Query Match 100.0%; Score 957; DB 3; Length 1572;
 Best Local Similarity 100.0%; Pred. No. 1.1e-279;
 Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 561 AAGGATCCATCACGCCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTGAAATAT 620
 Db 621 GTGGGTATGGAAGGGAATTGCTCTATGAGTCATGAAAAGACTTACAGCCTT 600
 Qy 601 CTCAATATCCAGAAAAGTGTCTGACACAGGGAGGGATGTTGGAGAGATATCTGAGAT 660
 Db 681 CTCAATATCCAGAAAAGTGTCTGACACAGGGAGGGATGTTGGAGAGATATCTGAGAT 740
 Qy 661 AACAGCTAGCAGTTGCTGAAATATGCTGAGATTTGAGAAAATGCAAGAGATGCT 720
 Db 741 AACAGCTAGCAGTTGCTGAAATATGCTGAGATTTGAGAAAATGCAAGAGATGCT 800
 Qy 721 GATGGAAAAGATGTATTAAACCAAACTGTGTTGGCTTCTATTAAAGAGGCAATGACT 780
 Db 801 GATGGAAAAGATGTATTAAACCAAACTGTGTTGGCTTCTATTAAAGAGGCAATGACT 860
 Qy 861 TATCACCCCCAACAGGTAGTAAAGGCTGTTGTCAGATATGGCTTACTTTAAATGGA 920
 Qy 841 CTGACTCCAAATCAGATGCTATGATGATGTTGGGTATACCCCCTAGGGCATTTGGG 900
 Db 921 CTGACTCCAAATCAGATGCTATGATGATGTTGGGTATACCCCCTAGGGCATTTGGG 980
 Qy 901 CATATTTCAATGATGATGTTGTTCTTACCTCCAAATGGTCTGAAATGACTG 957
 Db 981 CATATTTCAATGATGATGTTGTTCTTACCTCCAAATGGTCTGAAATGACTG 1037

RESULT 8
 US-09-905-381A-340
 ; Sequence 340, Application US/09905381A
 ; Patent No. 6818746
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kijavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLES OF INVENTION: Acids Encoding the Same
FILE REFERENCES: 10466-14
CURRENT APPLICATION NUMBER: US/09/905,381A
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
***** 1175

; LENGTH: 1572
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-905-381A-340

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Query Match      100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1..le-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          1 ATGCTTTCTGAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCTGTGCT 60
Db          81 ATGCTTTCTGAAGCAGCTCCTTTTGAAGGGTGTGATGCTTGAAGCATTTCTGTGCT 140

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Oy	61	TGAGTACATCTAGAACATTAGGATTTGGTCATTGAAATAGAATGCCAACCATGAG	120
Db	141	TGAGTACATCTAGAACATTAGGATTTGGTCATTGAAATAGAATGCCAACCATGAG	200
Oy	121	CATCATCACCTAACAGCTCTAACAAAGGAATATCTGAAAATTTCAGGGATGAGCCC	180
Db	201	CATCATCACCTAACAGCTCTAACAAAGGAATATCTGAAAATTTCAGGGATGAGCCC	260
Oy	181	ATGGAGCTCAGTAAGAGCTTTCAGGTATACTGTTATTCCTGTTAAAACCCAAAGATG	240
Db	261	ATGGAGCTCAGTAAGAGCTTTCAGGTATACTGTTATTCCTGTTAAAACCCAAAGATG	320
Oy	241	AGTCTTGGCTGCAAGTAAGGGACTTGGACAAACACTGCAAAAGCAGAGTTCTTC	300
Db	321	AGTCTTGGCTGCAAGTAAGGGACTTGGACAAACACTGCAAAAGCAGAGTTCTTC	380
Oy	301	AGTCTCTGAAAAATTGTTAAAGTGTGTTGAGTCATTAAATATGACCAAATGACATGTTGGTTA	360
Db	381	AGTCTCTGAAAAATTGTTAAAGTGTGTTGAGTCATTAAATATGACCAAATGACATGTTGGTTA	440
Oy	361	ATGATGAGAAAAGCTAACAAATACCGCTTCTGATAAGTATAGAGACCAAATCACCTGGTT	420
Db	441	ATGATGAGAAAAGCTAACAAATACCGCTTCTGATAAGTATAGAGACCAAATCACCTGGTT	500
Oy	421	TTCCCTGAGGCCCACTAACCTTGTCTGATTAAGTATTTTGAAACCTAAAGTATTTTGTTAA	480
Db	501	TTCCCTGAGGCCCACTAACCTTGTCTGATTAAGTATTTTGAAACCTAAAGTATTTTGTTAA	560
Oy	481	AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAAATAT	540
Db	561	AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGACCTTGAAATAT	620
Oy	541	GTGGGTATGAAAGGAGAATTGCTCTTAAAGTGTGAAATCAATGAAAAGACTAACAGCTT	600
Db	621	GTGGGTATGAAAGGAGAATTGCTCTTAAAGTGTGAAATCAATGAAAAGACTAACAGCTT	680
Oy	601	CTCAATATCCAGAAAAGTGTCTGAAACGGGGGGATGATTGGAAAGATATCTGAAAT	660
Db	681	CTCAATATCCAGAAAAGTGTCTGAAACGGGGGGATGATTGGAAAGATATCTGAAAT	740
Oy	661	AAAAGCTAGCATTTGCCCTGAAAATATGCTGGAGATTTCAGAAAAATGCAAGAGATGCT	720
Db	741	AAAAGCTAGCATTTGCCCTGAAAATATGCTGGAGATTTCAGAAAAATGCAAGAGATGCT	800
Oy	721	GATGGAAAAGATGTTATTAATACCAAAATCTGTTGGCTTCTTATTAAGGCGCATGACT	780
Db	801	GATGGAAAAGATGTTATTAATACCAAACTGTGTTGGCTTCTTATTAAGGCGCATGACT	860
Oy	781	TATCACCCCCAACCGCGTAGAGAAGGCCTGTTCTGAGATATGGCTGTTACTTTAACTGGA	840
Db	861	TATCACCCCCAACCGCGTAGAGAAGGCCTGTTCTGAGATATGGCTGTTACTTTAACTGGA	920
Oy	841	CTGACTCCAAATCGAGATGATGATGATGATGTTGGGATATCCGCCCTTACGGCTATTGGG	900
Db	921	CTGACTCCAAATCGAGATGATGATGATGATGTTGGGATATCCGCCCTTACGGCTATTGGG	980

Qy 901 CATATTTCAATGATGCATGGTTTCTTACCTCCAAATGGTTCTGACAATGACTGA 957
Db 981 CATATTTCAATGATGCATGGTTTCTTACCTCCAAATGGTTCTGACAATGACTGA 1037

RESULT 9
US-09-906-618-340
Sequence 340, Application US/09906618
Patent No. 6828146
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hananeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillian, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic acids Encoding the Same
FILE REFERENCES: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,618
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-04-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21109
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089

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; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/18214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-618-340

Query Match          100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1..le-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0

Oy      1 ATGCTTTCTGAAAGCAGCTCTTTTGAGGGTGTGATCTTGGAGCAATTCTGTGCT 60
Db      81 ATGCTTTCTGAAAGCAGCTCTTTTGAGGGTGTGATCTTGGAGCAATTCTGTGCT 140
Oy      61 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAAGAATGCACCCATGAG 120
Db      141 TTGATCACTATGCTAGGACACATTAGGATTTGTCATGAAATAAGAATGCACCCATGAG 200
Oy      121 CATCATCACCTACAAGCTCTAACAAAAGAATATCTGAAAAATTTCAGGGATGAGGCC 180
Db      201 CATCATCACCTACAAGCTCTAACAAAAGAATATCTGAAAAATTTCAGGGATGAGGCC 260
Oy      181 ATGGAGCTTCTGAAGGCTTTCTGAGTATACGTATTATCTCTGTAAAACCAAGATGTC 240
Db      261 ATGGAGCTTCTGAAGGCTTTCTGAGTATACGTATTATCTCTGTAAAACCAAGATGTC 320
Oy      241 AGTCTTGGGCTGGACTAAAGGAGACTTGGACCAAACACTGCAAAAGCAGACTTCIC 300
Db      321 AGTCTTGGGCTGGACTAAAGGAGACTTGGACCAAACACTGCAAAAGCAGACTTCIC 380
Oy      301 AGTCTGAAAATGTTAAAGTGTTCAGTCAATTAAATATGGCAACAAATGCACTGTGTTA 360
Db      381 AGTCTGAAAATGTTAAAGTGTTCAGTCAATTAAATATGGCAACAAATGCACTGTGTTA 440
Oy      361 ATGATGAGAAAAGCTTACAAATACGCCCTTGTATAGTATAGAGACCAATAACACTGGTC 420
Db      441 ATGATGAGAAAAGCTTACAAATACGCCCTTGTATAGTATAGAGACCAATAACACTGGTC 500
Oy      421 TCTCTTCACGCCCTTGTATAGTATAGAGACCAATAACACTGGTC 480

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Db 501 TTTCTTGACGCCCACTAGTTGCTATCATGAAAACCTAAAGTATTGGTAAAAA 560
 Qy 481 AAGGATCCATCACAGCCTTCTATCTAGGCCAACATAAAATCTGGAGACCTGAAAT 540
 Db 561 AAGGATCCATCACAGCCTTCTATCTAGGCCAACATAAAATCTGGAGACCTGAAAT 620
 Qy 541 GTGGGTATGAAAGGAAATTGTCCTTAAGTGTAGAATCAATGAAAAGACTTACAGCCTT 600
 Db 621 GTGGGTATGAAAGGAAATTGTCCTTAAGTGTAGAATCAATGAAAAGACTTACAGCCTT 680
 Qy 601 CTCATATCCCCAGAAAAGTGTCTGAAAGGGAGATTTGGAGATATCTGAAGAT 660
 Db 681 CTCATATCCCCAGAAAAGTGTCTGAAAGGGAGATTTGGAGATATCTGAAGAT 740
 Qy 661 AACAGCTAGCAGTTGCTGAAATATCTGAGATTTGAGAAAATGAGAGATGCT 720
 Db 741 AACAGCTAGCAGTTGCTGAAATATCTGAGATTTGAGAAAATGAGAGATGCT 800
 Qy 721 GATGAAAGATGTTAACTACAAATCTGTTGGCTTCTATTAAGAGGCAATGACT 780
 Db 801 GATGAAAGATGTTAACTACAAATCTGTTGGCTTCTATTAAGAGGCAATGACT 860
 Qy 781 TATCACCCCAACAGTAGTAAAGGCTGTTGAGATTTGAGATATCTGAAGAT 840
 Db 861 TATCACCCCAACAGTAGTAAAGGCTGTTGAGATTTGAGATATCTGAAGAT 920
 Qy 841 CTGACTCAAATCAGATGATGATGATGATGATGGGATACCUCCCTAGGCATTGGG 900
 Db 921 CTGACTCAAATCAGATGATGATGATGATGATGGGATACCUCCCTAGGCATTGGG 980
 Qy 901 CATATTTCAATGATGCAATTGTTCTTACTCCAAATGGCTGACAATGACTGA 957
 Db 981 CATATTTCAATGATGCAATTGTTCTTACTCCAAATGGCTGACAATGACTGA 1037

RESULT 10

US-09-906-646-340
 Sequence 340, Application US/09906646
 Patent No. 6852848
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth, J.

APPLICANT: Kljavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/906,646
 CURRENT FILING DATE: 2002-01-22
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
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 PRIOR APPLICATION NUMBER: PCT/US99/21547
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 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
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 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO 340
 LENGTH: 1572
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-09-906-646-340

Query Match 100.0%; Score 957; DB 3; Length 1572;
 Best Local Similarity 100.0%; Pred. No. 1.e-279;

Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ATGCTTCTGAAAGCAGCTCTTCTGAAAGGCTGTGATGCTTGGAAAGCATTTCTGTGCT 60
 Db 81 ATGCTTCTGAAAGCAGCTCTTCTGAAAGGCTGTGATGCTTGGAAAGCATTTCTGTGCT 140
 Qy 61 TTGATCCTACTGCTAGGACAATTAGGATTGGTCTGAAATGAAATGCAACCAATGAG 120
 Db 141 TTGATCCTACTGCTAGGACAATTAGGATTGGTCTGAAATGAAATGCAACCAATGAG 200
 Qy 121 CATCATCACCTACAGCTCTAACAAAGAAGATACTGAAATTTCAGAGGTGAGCGC 180
 Db 201 CATCATCACCTACAGCTCTAACAAAGAAGATACTGAAATTTCAGAGGTGAGCGC 260
 Qy 181 ATGGAGCTCAGTAAGAGCTTCTGAGTATACTGTTATCTGAAACCCAAAGATGAG 240
 Db 261 ATGGAGCTCAGTAAGAGCTTCTGAGTATACTGTTATCTGAAACCCAAAGATGAG 320
 Qy 241 AGTCTTGGCTGAGTAAAGGAGACTTGGACAAACACTGTCGACAAGCAGAGTCTTC 300
 Db 321 AGTCTTGGCTGAGTAAAGGAGACTTGGACAAACACTGTCGACAAGCAGAGTCTTC 380
 Qy 301 AGTCTGAAATGTTAAAGTGTGAGTCAATTAAATGAGACAATGACATGTTGTTA 360
 Db 381 AGTCTGAAATGTTAAAGTGTGAGTCAATTAAATGAGACAATGACATGTTGTTA 440
 Qy 361 ATGATGAGAAAGCTAACAAATAGGCTTGTAAAGTATAGAGACAAATACACTGTTG 420
 Db 441 ATGATGAGAAAGCTAACAAATAGGCTTGTAAAGTATAGAGACAAATACACTGTTG 500
 Qy 421 TTTCTTGACGCCCACTAGCTTCTATCATGAAAACCTAAAGTATTGGTAAAAA 480
 Db 501 TTTCTTGACGCCCACTAGCTTCTATCATGAAAACCTAAAGTATTGGTAAAAA 560
 Qy 481 AAGGATCCATCACAGCCTTCTATCTAGGCCAACATAAAATCTGGAGACCTGAAAT 540
 Db 561 AAGGATCCATCACAGCCTTCTATCTAGGCCAACATAAAATCTGGAGACCTGAAAT 620
 Qy 541 GTGGGTATGAAAGGAAATTGTCCTTAAGTGTAGAATCAATGAAAAGACTTACAGCCTT 600
 Db 621 GTGGGTATGAAAGGAAATTGTCCTTAAGTGTAGAATCAATGAAAAGACTTACAGCCTT 680
 Qy 601 CTCATATCCCCAGAAAAGTGTCTGAAAGGGAGATTTGGAGATATCTGAAGAT 660
 Db 681 CTCATATCCCCAGAAAAGTGTCTGAAAGGGAGATTTGGAGATATCTGAAGAT 740
 Qy 661 AACAGCTAGCAGTTGCTGAAATGCTGAGATTTGAGAAAATGAGAGATGCT 720
 Db 741 AACAGCTAGCAGTTGCTGAAATGCTGAGATTTGAGAAAATGAGAGATGCT 800
 Qy 721 GATGAAAGATGTTAACTACAAATCTGTTGGCTTCTATTAAGAGGCAATGACT 780
 Db 801 GATGAAAGATGTTAACTACAAATCTGTTGGCTTCTATTAAGAGGCAATGACT 860
 Qy 781 TATCACCCCAACAGGTAGTAAAGGCTGTGAGATATGGCTGTTACTTTAAATGGA 840
 Db 861 TATCACCCCAACAGGTAGTAAAGGCTGTGAGATATGGCTGTTACTTTAAATGGA 920

Qy 841 CTGACTCAAATCAGATGATGATGATGATGATGGGTATACGCCCTAGGCATTGGG 900
 Db 921 CTGACTCAAATCAGATGATGATGATGATGATGATGGGTATACGCCCTAGGCATTGGG 980
 Qy 901 CATATTTCAATGATGCAATTGTTCTTACCTCCAAATGGCTGACAATGACTGA 957
 Db 981 CATATTTCAATGATGCAATTGTTCTTACCTCCAAATGGCTGACAATGACTGA 1037

RESULT 11
 US-09-904-462-340
 Sequence 340, Application US/09904462
 Patent No. 6878807
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth, J.
 APPLICANT: Kljavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/904,462
 CURRENT FILING DATE: 2001-07-13
 PRIOR APPLICATION NUMBER: 09/665,350
 PRIOR FILING DATE: 2000-09-18
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08

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: PRIOR APPLICATION NUMBER: PCT/US99/20944
: PRIOR FILING DATE: 1999-09-13
: PRIOR APPLICATION NUMBER: PCT/US99/21090
: PRIOR FILING DATE: 1999-09-15
: PRIOR APPLICATION NUMBER: PCT/US99/21547
: PRIOR FILING DATE: 1999-09-15
: PRIOR APPLICATION NUMBER: PCT/US99/23089
: PRIOR FILING DATE: 1999-10-05
: PRIOR APPLICATION NUMBER: PCT/US99/28214
: PRIOR FILING DATE: 1999-11-29
: PRIOR APPLICATION NUMBER: PCT/US99/28313
: PRIOR FILING DATE: 1999-11-30
: PRIOR APPLICATION NUMBER: PCT/US99/28564
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US99/28565
: PRIOR FILING DATE: 1999-12-02
: PRIOR APPLICATION NUMBER: PCT/US99/30095
: PRIOR FILING DATE: 1999-12-16
: PRIOR APPLICATION NUMBER: PCT/US99/30911
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US99/30999
: PRIOR FILING DATE: 1999-12-20
: PRIOR APPLICATION NUMBER: PCT/US00/00219
: PRIOR FILING DATE: 2000-01-05
: NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-462-340
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Query Match	100.0%	Score	957;	DB	3;	Length	1572;		
Best Local Similarity	100.0%	Pred.	No.	1.1e-279					
Matches	957;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Oy	1	ATGCTTTCTGAAGCAGCTCCCTTTGAAGGGTGTGATCTTGAAAGCATTTCTGTGCT	60						
Db	81	ATGCTTTCTGAAGCAGCTCCCTTTGAAGGGTGTGATCTTGAAAGCATTTCTGTGCT	140						
Oy	61	TTGATCACTATGCTAGGAACATTAGGATTTGGTCATGAAAATAGATGCCCCACATGAG	120						
Db	141	TTGATCACTATGCTAGGAACATTAGGATTTGGTCATGAAAATAGATGCCCCACATGAG	200						
Oy	121	CATCATCCTCAACAGCTCTAAACAAAGAGATATCTGAAAATTTCAGAGGTGAGGGC	180						
Db	201	CATCATCCTCAACAGCTCTAAACAAAGAGATATCTGAAAATTTCAGAGGTGAGGGC	260						
Oy	181	ATGGAGCTAGTAAGAGCTTTCGAGTATACTGTTATTCTCTGTAAAACCCAAAAGTGTG	240						
Db	261	ATGGAGCTAGTAAGAGCTTTCGAGTATACTGTTATTCTCTGTAAAACCCAAAAGTGTG	320						
Oy	241	AGTCCTTGGGCTCGATAAAGGAGCTTGAGCCAAACTGTGACAAGAGACTCTTC	300						
Db	321	AGTCCTTGGGCTCGATAAAGGAGACTTGAGCCAAACTGTGACAAGAGCTCTTC	380						
Oy	301	AGTTCTGAAAATGTTAAAGGTGTGACTTAATGGACACAAATGACATGTGTTA	360						

APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Guysey, Austin L.
APPLICANT: Hillian, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same
FILE REFERENCE: 10466-1a
CURRENT APPLICATION NUMBER: US/09/902,736A
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340

Db	381	AGTCCTGAAAATGTTAAAGTGTGTTAGTCATTAAATGACACAATGACATGTTGGTTA	440
Qy	361	ATGATGAGAAAAGCTTACCAAATACGCCCTTGTATAAGTATAGAGACCAAACTACTTGTTTC	420
Db	441	ATGATGAGAAAAGCTTACCAAATACGCCCTTGTATAAGTATAGAGACCAAACTACTTGTTTC	500
Qy	421	TTCCTTGAGCCCCAACTACCTTTGCTATGATGAAACCTAAAGTTTTTGTTAAAA	480
Db	501	TTCCTTGAGCCCCAACTACCTTTGCTATGATGAAACCTAAAGTTTTTGTTAAAA	560
Qy	481	AAGGATCCATCACGCCCTTCATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT	540
Db	561	AAGGATCCATCACGCCCTTCATCTAGGCCACACTATAAAATCTGGAGACCTTGAATAT	620
Qy	541	GTTGGTATGGAAAGGAGAATTGCTTAAGTUTAGAATCAATGAAAAGACTTACAGCCTT	600
Db	621	GTGGGTATGGAAAGGAGAATTGCTTAAGTUTAGAATCAATGAAAAGACTTACAGCCTT	680
Qy	601	CTCAATACTCCAGAAAAGTGTCTGAAACAGGGGGATGATTTGGAGAATATCTGAGAT	660
Db	681	CTCAATACTCCAGAAAAGTGTCTGAAACAGGGGGATGATTTGGAGAATATCTGAGAT	740
Qy	661	AAACAGCTAGCACTTGCCTGAAAATATGCTGGAGTATTTCAGAAAAATGCAAGATGCT	720
Db	741	AAACAGCTAGCACTTGCCTGAAAATATGCTGGAGTATTTCAGAAAAATGCAAGATGCT	800
Qy	721	GATGGAAAAGATGTATTAAACCAAACTGTGGCTGGCTTCTATTTAAAGGGCAATGACT	780
Db	801	GATGGAAAAGATGTATTAAACCAAACTGTGGCTGGCTTCTATTTAAAGGGCAATGACT	860
Qy	781	TATCACCCCAACCGAGTAGAGAAGGCTGTGTTCAGATAATGGCTGTAACTTTAAATGGA	840
Db	861	TATCACCCCAACCGAGTAGAGAAGGCTGTGTTCAGATAATGGCTGTAACTTTAAATGGA	920
Qy	841	CTGACTCCAAAATCAGATGCATGTGATGATGTATGGGTATACGCCCTTGGCAATTGGG	900
Db	921	CTGACTCCAAAATCAGATGCATGTGATGATGTATGGGTATACGCCCTTGGCAATTGGG	980
Qy	901	CATATTTTCAATGATGCAATTGGTTTCTTACCTCCAAATGGTCTGACAATGACTG	957
Db	981	CATATTTTCAATGATGCAATTGGTTTCTTACCTCCAAATGGTCTGACAATGACTG	1037

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; LENGTH: 1572
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-902-736A-340

Query Match      100.0%; Score 957; DB 3; Length 1572;
Best Local Similarity 100.0%; Pred. No. 1.e-279;
Matches 957; Conservative 0; Mismatches 0; Indels 0; Gaps 0

Qy      1 ATGCTTTCTGAAAGCAGCTCCCTTTGAAGGGTGTGATGCTTGAGACATTCTGTGCT 60
Db      81 ATGCTTTCTGAAACGAGCTCCCTTTGAAGGGTGTGATGCTTGAGACATTCTGTGCT 140
Qy      61 TTGATCATCTATGCTAGGACACATTAGGTTGGTCATGAAATAAGAATGCAACCACATGAG 120
Db      141 TTGATCATCTATGCTAGGACACATTAGGTTGGTCATGAAATAAGAATGCAACCACATGAG 200
Qy      121 CATCATCACCTACAGCTCTAACAAAAGAGATATCTGAAAAATTTCAGGGATGAGCGC 180
Db      201 CATCATCACCTACAGCTCTAACAAAAGAGATATCTGAAAAATTTCAGGGATGAGCGC 260
Qy      181 ATGGAGCTCAGTAAAGCCTTTCAGTATAGCTGTTATTCGCTGTAAACCCAAAGATCTG 240
Db      261 ATGGAGCTCAGTAAAGCCTTTCAGTATAGCTGTTATTCGCTGTAAACCCAAAGATCTG 320
Qy      241 AGCTTTGGCTGCACTAACAGGAGACTTGGACAAACACTGTGACAAGCAGAGTTCTC 300
Db      321 AGCTTTGGCTGCACTAACAGGAGACTTGGACAAACACTGTGACAAGCAGAGTTCTC 380
Qy      301 AGTCTGAAAATAAGTGTGTTGACTTAATGTCATGACCAAATGACATOTGGTTA 360
Db      381 AGTCTGAAAATAAGTGTGTTGACTTAATGTCATGACCAAATGACATOTGGTTA 440
Qy      361 ATGATGAGAAAAGCTTACAAAATCAGCTTGTGATTAAGTATAGAGACCAAATCAACTGTGTC 420
Db      441 ATGATGAGAAAAGCTTACAAAATCAGCTTGTGATTAAGTATAGAGACCAAATCAACTGTGTC 500
Qy      421 TTCCCTGCAGGCCCTACTAGTTGCTATCATGAAACCTAAAGTTTTGGTTAAA 480
Db      501 TTCCCTGCAGGCCCTACTAGTTGCTATCATGAAACCTAAAGTTTTGGTTAAA 560
Qy      481 AAGGATCCATCACGCCCTTCTATCTAGGCCACTATATAATCTGGAGACCTTGATAT 540
Db      561 AAGGATCCATCACGCCCTTCTATCTAGGCCACTATATAATCTGGAGACCTTGATAT 620
Qy      541 GTGGGTATGGAAAGGAGAAATTGCTTAAAGTGTGAAATCAATGAAAGACCTAACAGCCTT 600
Db      621 GTGGGTATGGAAAGGAGAAATTGCTTAAAGTGTGAAATCAATGAAAGACCTAACAGCCTT 680
Qy      601 CTCATAATCCCAGRAAGTGTCTGAAACAGGGAGGGATGATTGGAGATATCTGAGAGAT 660
Db      681 CTCATAATCCCAGRAAGTGTCTGAAACAGGGAGGGATGATTGGAGATATCTGAGAGAT 740
Qy      661 AAAAGCTTAGCATGTTGCCCTGAAATATGCTGGAGTTTGTGAGAAAATGCAAGAAGATGCT 720
Db      741 AAAAGCTTAGCATGTTGCCCTGAAATATGCTGGAGTTTGTGAGAAAATGCAAGAAGATGCT 800

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Oy	721	GATGGAAAAGATGTATTAAATACCAAACTCTGGGGCTTTCTATAAAGGCCATGACT	780
Db	801	GATGGAAAAGATGTATTAAATACCAAACTCTGGGGCTTTCTATAAAGGCCATGACT	860
Oy	781	TATCACCCCAAACCGAGTGTAGTAGAAGGCCTGTTCTGAGATACTGGCTGTACTTTAAATGGA	840
Db	861	TATCACCCCAAACCGAGTGTAGTAGAAGGCCTGTTCTGAGATACTGGCTGTACTTTAAATGGA	920
Oy	841	CTGACTCCAAATCAGATGCTATGATGATGATGTATGGGGTATACGCCCTTAGGGCATTTGGG	900
Db	921	CTGACTCCAAATCAGATGCTATGATGATGATGTATGGGGTATACGCCCTTAGGGCATTTGGG	980
Oy	901	CATATTTCTATGATGCTATGGTTCTCTACCTCCAAATGGTTCTGACAATGACTGA	957
Db	981	CATATTTCTATGATGCTATGGTTCTCTACCTCCAAATGGTTCTGACAATGACTGA	1037

RESULT 13
US-09-906-722A-340
Sequence 340, Application US/09906722A
Patent No. 6946623
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Demoyens, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Eileen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kjavin, Ivan J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Trans
TITLE OF INVENTION: Acids Encoding t
FILE REFERENCE: GNE.1618P2C6
CURRENT APPLICATION NUMBER: US/09/906
PRIOR FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: PCT/US00/044
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,0
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,6

PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 340
LENGTH: 1572
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-722A-340

Query Match	100.0%	Score 957;	DB 3:	Length 1572;
Best Local Similarity	100.0%	Pred. No.	1.1e-279;	
Matches	957;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
Oy	1	ATGCTTTCTGAAGCGACGTCTTTTGAAAGGTGTGATCTGGAAACATTCTGTGCT	60	
Db	81	ATGCTTTCTGAAGACGAGTCTTTTGAAAGGTGTGATCTGGAAACATTCTGTGCT	140	
Oy	61	TTGATCACTATGCTAGGACACATTAGGATTTGGTCATGAAATAAGAATGCCACCATGAG	120	
Db	141	TTGATCACTATGCTAGGACACATTAGGATTTGGTCATGAAATAAGAATGCCACCATGAG	200	
Oy	121	CATCATCACCTAACAGCTCTAACAAAAGAGATATCTTGAAATTCTCAGGGATGGCCG	180	
Db	201	CATCATCACCTAACAGCTCTAACAAAAGAGATATCTTGAAATTCTCAGGGATGGCCG	260	
Oy	181	ATGGAGCTCAGTAAGAGCTTCTGGAGTATACTGTATTATCCTGTAAACCACAAAGATGTG	240	
Db	261	ATGGAGCTCAGTAAGAGCTTCTGGAGTATACTGTATTATCCTGTAAACCACAAAGATGTG	320	
Oy	241	AGCTTTGGCTGAGTAAGGAGACTTGGACAAACACTGTGACAAAGCAGACTTCTTC	300	

Db	321	AGCTTGGGTCGAAAGGAGCTTGACCAAACTGTGACAAGCAGAGTCTTC	380
Qy	301	AGTCCTGAAAAATGTTAAGTGTGACTTAATATGGACAAATGACATGTGTT	360
Db	381	AGTCCTGAAAATGTTAAGTGTGACTTAATATGGACAAATGACATGTGTT	440
Qy	361	ATGATGAGAAAAGCTTACAAAATACGCCCTTGATTAAGTAGAGACCAATAACACTGTT	420
Db	441	ATGATGAGAAAAGCTTACAAAATACGCCCTTGATTAAGTAGAGACCAATAACACTGTT	500
Qy	421	TTCCTTGACGCCCACTAGCTTGTCTATCATGGAAAACCTAAAGTATTTTGTTAAA	480
Db	501	TTCCTTGACGCCCACTAGCTTGTCTATCATGGAAAACCTAAAGTATTTTGTTAAA	560
Qy	481	AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGCTTGATATA	540
Db	561	AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAAATCTGGAGCTTGATATA	620
Qy	541	GTGGGTATGGAAGGAGGAATTGCTCTTAAAGTGTGAACTAATGAAAAGACTTAAACGCCCT	600
Db	621	GTGGGTATGGAAGGAGGAATTGCTCTTAAAGTGTGAACTAATGAAAAGACTTAAACGCCCT	680
Qy	601	CTCAATATCCCCAGAAAAGTGTCTCTGAAAGGGGGGGATGATTGGAAAGATACTGTGAGAT	660
Db	681	CTCAATATCCCCAGAAAAGTGTCTCTGAAAGGGGGGGATGATTGGAAAGATACTGTGAGAT	740
Qy	661	AAACAGCTAGCAGTTGCTGAAATATGCTGGATTTGCGAAAATCAGRAAGATCT	720
Db	741	AAACAGCTAGCAGTTGCTGAAATATGCTGGATTTGCGAAAATCAGRAAGATCT	800
Qy	721	GATGAAAAGTGTTTAAACCAAATCTGGGCTTCTATTAAGAGGCAATGACT	780
Db	801	GATGAAAAGTGTTTAAACCAAATCTGGGCTTCTATTAAGAGGCAATGACT	860
Qy	781	TATCACCCCAACAGGAGTAGAGAAGGCTGTGTTCTAGATATGGCTGTACTTTAATG	840
Db	861	TATCACCCCAACAGGAGTAGAGAAGGCTGTGTTCTAGATATGGCTGTACTTTAATG	920
Qy	841	CTGACTCCAAATCAGATCAGTCAGTGATGATGTTGGGTATACGCCCTTAGGGCATTTGG	900
Db	921	CTGACTCCAAATCAGATCAGTCAGTGATGATGTTGGGTATACGCCCTTAGGGCATTTGG	980
Qy	901	CATATTTCTATGATGATGTTCTTACCTCCAAATGGTTCTGACAATGACTGA	957
Db	981	CATATTTCTATGATGATGTTCTTACCTCCAAATGGTTCTGACAATGACTGA	1037

APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yuning
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784C1P2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pt_PL_genes Version 1.0
SEQ ID NO 631
LENGTH: 1477
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (231)..(1187)
US-09-620-312D-631

Query Match	99.8%	Score	955.4;	DB	3;	Length	1477;		
Best Local Similarity	99.9%	Pred.	No.	3.2e-279;					
Matches	956;	Conservative	0;	Mismatches	1;	Indels	0;	Gaps	0;
Qy	1	ATGCTTTCTGAAAGCAGCTCCTTTTGAAAGGGTGTGATGCTTGAGACCATTTCTGTCCT							60
Db	231	ATGCTTTCTGAAAGCAGCTCCTTTTGAAAGGGTGTGATGCTTGAGACCATTTCTGTCCT							290
Qy	61	TITGCACTATGCTAGCACATTAGGATTTGTCATGGAAATAGAATGCAACCATGAG							120
Db	291	TITGCACTATGCTAGCACATTAGGATTTGTCATGGAAATAGAATGCAACCATGAG							350
Qy	121	CATCATCACCATAAAGCTCTAACAAAGGAGATATCTTGTAAAATTCTAGAGGTGAGGGC							180
Db	351	CATCATCACCATAAAGCTCTAACAAAGGAGATATCTTGTAAAATTCTAGAGGTGAGGGC							410
Qy	181	ATGGAGCTCACTAAAGACCTTGGAGTATACGTATTATCTTGTAAAACCCAAAGATGTG							240
Db	411	ATGGAGCTCACTAAAGACCTTGGAGTATACGTATTATCTTGTAAAACCCAAAGATGTG							470
Qy	241	AGCTTTGGCTGAGTAAAGGAGACTTGGACCAAACTGTGACAAGCAGAGTTCTC							300
Db	471	AGCTTTGGCTGAGTAAAGGAGACTTGGACCAAACTGTGACAAGCAGAGTTCTC							530

RESULT 14
US-09-620-312D-831
: Sequence 831, Application US/09620312D
: Patent No. 6569662
: GENERAL INFORMATION:
: APPLICANT: Tang, Y. Tom
: APPLICANT: Liu, Chenghua
: APPLICANT: Asundi, Vinod
: APPLICANT: Zhang, Vim

```

Qy 301 AGTCTGAAAATGTTAAAGTTGGTCAATTATATGACACAAATGACATGGTTA 360
Db 531 AGTCTGAAAATGTTAAAGGTGGTCAATTATATGACACAAATGACATGGTTA 590
Qy 361 ATGATGAGAAAAGCTTACAATACGCCCTTGTATAAGTATAGAGACCAATACAACGGTTC 420
Db 591 ATGATGAGAAAAGCTTACAATACGCCCTTGTATAAGTATAGAGACCAATACAACGGTTC 650
Qy 421 TTCCCTTGCAAGCCCCACTACGGTTGCTATCATGAAAACCTAAAGTATTTTGTAAAA 480
Db 651 TTCCCTTGCAAGCCCCACTACGGTTGCTATCATGAAAACCTAAAGTATTTTGTAAAA 710
Qy 481 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAACTCGGAGACCTGAAATAT 540
Db 711 AAGGATCCATCACAGCCTTCTATCTAGGCCACACTATAAACTCGGAGACCTGAAATAT 770
Qy 541 GTGGGTATGAAAGGAGAAATGCTTAAGTGTAGATCATGAAAAGACTAACGGCTT 600
Db 771 GTGGGTATGAAAGGAGAAATGCTTAAGTGTAGATCATGAAAAGACTAACGGCTT 830
Qy 601 CTCAATATCCAGAAAAGTGTCTGAAACAGGAGGGATGTTGGAGAGATCTGAAAGAT 660
Db 831 CTCAATATCCAGAAAAGTGTCTGAAACAGGAGGGATGTTGGAGAGATCTGAAAGAT 890
Qy 661 AAAAGCTAGCAGTTGCTGAAATATGCTGGAGTTTGCAGAAAATGCAAGAGATGCT 720
Db 891 AAAAGCTAGCAGTTGCTGAAATATGCTGGAGTTTGCAGAAAATGCAAGAGATGCT 950
Qy 721 GATGGAAAAGATGTTAAATACCAAATCTGGTTGGTTCTATTAAGGGCAATGACT 780
Db 951 GATGGAAAAGATGTTAAATACCAAATCTGGTTGGTTCTATTAAGGGCAATGACT 1010
Qy 781 TATCACCCCAACCAGTAGTGAAGGCTGTTGCTGAGATATGGCTGTTACTTTAAATGGA 840
Db 1011 TATCACCCCAACCAGTAGTGAAGGCTGTTGCTGAGATATGGCTGTTACTTTAAATGGA 1070
Qy 841 CTGACTCCAAATCAGATGCTGATGATGTTGGGATATACGCCCTTGGCATTGGG 900
Db 1071 CTGACTCCAAATCAGATGCTGATGATGTTGGGATATACGCCCTTGGCATTGGG 1130
Qy 901 CATATTTCAATGATGCTTGTGTTCTTACCTCCAAATGGGCTGACAATGACTGA 957
Db 1131 CATATTTCAATGATGCTTGTGTTCTTACCTCCAAATGGGCTGACAATGACTGA 1187

RESULT 15
US-09-513-999C-1156
; Sequence 1156, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C

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; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 1156
; LENGTH: 604
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 174..602
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 133
; OTHER INFORMATION: n=a, g, c or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 135
; OTHER INFORMATION: w=a or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 137
; OTHER INFORMATION: n=a, g, c or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 140
; OTHER INFORMATION: k=g or t
US-09-513-999C-1156

Query Match          43.9%; Score: 420; DB: 3; Length: 604;
Best Local Similarity 99.8%; Pred. No. 4.6e-117;
Matches 431; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy      1 ATGCTTTCTGAAAGCAGCTCCCTTTGAAAGGGCTGATGCTTGAGACATTCTGTGCT 60
Db     174 ATGCTTTCTGAAAGCAGCTCCCTTTGAAAGGGCTGATGCTTGAGACATTCTGTGCT 233
Qy      61 TTGATCACTATGCTAGGACACATTAGGATTTGCTATGAAATAGATGCAACCCATGAG 120
Db    234 TTGATCACTATGCTAGGACACATTAGGATTTGCTATGAAATAGATGCAACCCATGAG 293
Qy     121 CATCATCACCTACAGCTCTAACAAAGAGATATCTGAAATTTCAGAGGATGAGCC 180
Db    294 CATCATCACCTACAGCTCTAACAAAGAGATATCTGAAATTTCAGAGGATGAGCC 353
Qy     181 ATGGAGCTCAGTAAGAGCTTTCAGATTAFACTOATTATCCTGTAAAACCAAAGATGTG 240
Db    354 ATGGAGCTCAGTAAGAGCTTTCAGATTAFACTOATTATCCTGTAAAACCAAAGATGTG 413
Qy     241 AGTCTTGGGCTGAGTAAGAGACTTGGACCAACACTGTGACAAGCAGAGTTCTC 300
Db    414 AGTCTTGGGCTGAGTAAGAGACTTGGACCAACACTGTGACAAGCAGAGTTCTC 473
Qy     301 AGTCTGAAAATGTTAAAGTTGGTGTGACTTAAATATGCAACAAATGACATGTGGTT 360
Db    474 AGTCTGAAAATGTTAAAGTTGGTGTGACTTAAATATGCAACAAATGACATGTGGTT 533

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Qy 361 ATGATGAGAAAAGCTTACAATACGCCCTTGTATAAGTATAGAGACCAATACAACGGTTC 420
Db 534 ATGATGAGAAAAGCTTACAATACGCCCTTGTATAAGTATAGAGACCAATACAACGGTTC 592
Qy 421 TTCCCTTGCAAGC 432
Db 593 TTCCCTTGCAAGC 604

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Search completed: April 7, 2006, 01:30:46
Job time : 223 secs

DR DR N-PSDB; AAA96501.
 XX PT New human transmembrane proteins are used to treat a disease or condition
 PT associated with decreased expression of functional HTMP e.g. Tourette's
 PT disorder, angina and leukemia.
 XX Disclosure: Page 105-106; 130pp; English.
 XX The present sequence represents a human transmembrane proteins (HTMP).
 CC Agonists and antagonists of the protein are used to treat a disease or
 CC condition associated with overexpression of the protein. Diseases and
 CC conditions which can be treated include cell proliferative,
 CC immunological, reproductive, smooth muscle and neurological disorders
 CC e.g. arteriosclerosis, myeloma, leukaemia, acquired immunodeficiency
 CC syndrome (AIDS), allergies, ovulatory defects, angina, hypertension,
 CC stroke, Alzheimer's disease, epilepsy and Tourette's disorder. The
 CC polynucleotides may be used to detect and quantify gene expression in
 CC biopsied tissues where protein expression may be correlated with disease
 CC e.g. to determine absence, presence or excess expression of HTMP or to
 CC monitor regulation of HTMP expression during therapeutic intervention
 XX Sequence 318 AA;
 Query Match 100.0%; Score 1700; DB 3; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-165;
 Matches 318; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MLSESSSFUKGVMLASIFCALITMLGHIRIGHNRMHHHHHQAPNKEDILKISERD 60
 Db 1 MLSESSSFUKGVMLASIFCALITMLGHIRIGHNRMHHHHHQAPNKEDILKISERD 60
 Qy 61 MELSKSRVYCYLTKPDVKDSLMAAKETWTHICDAKEFSENKVYESINMDTNMWL 120
 Db 61 MELSKSRVYCYLTKPDVKDSLWAAKETWTHICDAKEFSENKVYESINMDTNMWL 120
 Qy 121 MMRKAYTAFDKYRQYMFFLARPITFAILENLKYFLKQDPSPFLGHTIKSGLEY 180
 Db 121 MMRKAYTAFDKYRQYMFFLARPITFAILENLKYFLKQDPSPFLGHTIKSGLEY 180
 Qy 181 VGMGGIVLSVESMRKLNSLNAPIPECPBOGMIKISEDQKOLAVCLKYAGVFAENEDA 240
 Db 181 VGMGGIVLSVESMRKLNSLNAPIPECPQGMIKISEDQKOLAVCLKYAGVFAENEDA 240
 Qy 241 DGKDVFNTKSYGLSKEAMTYHPQNQVGCSDMAYTFNGLTBNQHMMYGYTRIRAFG 300
 Db 241 DGKDVFNTKSYGLSKEAMTYHPQNQVGCSDMAYTFNGLTBNQHMMYGYTRIRAFG 300
 Qy 301 HIFNDALYFLPPNGSDND 318
 Db 301 HIFNDALYFLPPNGSDND 318

RESULT 3
 ADC78653
 ID ADC78653 standard; protein: 318 AA;
 XX
 AC ADC78653;

XX DT 01-JAN-2004 (first entry)
 XX DE Human PRO310 protein.
 XX KW antiinflammatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian;
 XX KW neurotropic; neuroprotective; vasoactive; chemotropic; angiogenic;
 XX KW neurotrophic; osteopathic; antiasthmatic; antiarthritic; antirheumatic;
 XX KW antiarteriosclerotic; cardiotonic; antidiabetic; cerebroprotective;
 XX KW thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;
 XX KW gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;
 XX KW Alzheimer's; ALS; neuropathy; dermal scarring; wound healing;
 XX KW nerve repair; thrombosis; bone; cartilage formation; angiogenesis;
 XX KW asthma; rheumatoïd arthritis; multiple sclerosis; inflammatory disorder;
 XX KW atherosclerosis; cardiac injury; infertility; premature aging; AIDS;
 XX KW diabetes; stroke; gene therapy; transgenic; PRO; human.
 XX OS Homo sapiens.
 XX PN WO20015796-A2.
 XX PD 23-MAR-2000.
 XX PF 99WO-US021090.
 XX PR 98WO-US019330.
 XX PA (GETH) GENENTECH INC.
 XX PI Chen J, Goddard A, Gurney AL, Hillen K, Pennica D, Wood WI;
 XX PI Yuan J;
 XX DR 2000-271434/23.
 XX DR N-PSDB; ADC7652.
 XX Novel nucleic acids encoding secreted and transmembrane polypeptides with
 PT homology, e.g. to growth and cancer-associated antigens
 XX Claim 12; SEQ ID NO 341; 355pp; English.
 XX The invention relates to a novel nucleic acid encoding a PRO polypeptide.
 CC The polypeptides and poly nucleotides of the invention may be useful as
 CC research tools and as therapeutics for treating enterocolitis, Zollinger-
 CC Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,
 CC Parkinson's disease, Alzheimer's disease, AIDS, neuropathies, dermal
 CC scarring and wound healing, nerve repair, thrombosis, bone and/or
 CC cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple
 CC sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,
 CC infertility, premature aging, AIDS, diabetes complications and stroke.
 CC The molecules may also be utilised during gene therapy procedures and
 CC transgenic animal production. The current sequence is that of the human
 CC PRO protein of the invention.
 XX SQ Sequence 318 AA;
 Query Match 100.0%; Score 1700; DB 3; Length 318;
 Best Local Similarity 100.0%; Pred. No. 1e-169;

Matches	318;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
Qy	1	MLESSESSSELKGWMLGSIIFCALITMLGHIR	GHNTRMMHHHHHQAPNKEDILKTS	DEBR	60				
Db	1	MLESSESSSELKGWMLGSIIFCALITMLGHIR	GHNTRMMHHHHHQAPNKEDILKTS	DEBR	60				
Qy	61	MELSIKSFRYCYCILVRPKDVSILMAAVRETWTKHCDRAEFSSENVKFESENMDTNDWL	120						
Db	61	MELSIKSFRYCYCILVRPKDVSILMAAVRETWTKHCDRAEFSSENVKFESENMDTNDWL	120						
Qy	121	MMRKAYKVAFDKYTRDQYNNFELLARPTTIALENIKYFLKKDPSQPPYLIGHTIKSGDLEY	180						
Db	121	MMRKAYKVAFDKYTRDQYNNFELLARPTTIALENIKYFLKKDPSQPPYLIGHTIKSGDLEY	180						
Qy	181	VGMEGIVLVSMSMRLNSLNPICPQEGNWKTSEDKQAVCLYAGVFAARNEDA	240						
Db	181	VGMEGIVLVSMSMRLNSLNPICPQEGNWKTSEDKQAVCLYAGVFAARNEDA	240						
Qy	241	DGKDVFNTKSVGLSIKEANTYHNPQVVEGCCSDMAYTFNGLTTPNQHMVMMGYVRLRAG	300						
Db	241	DGKDVFNTKSVGLSIKEANTYHNPQVVEGCCSDMAYTFNGLTTPNQHMVMMGYVRLRAG	300						
Qy	301	HIFNDALVFLPPNGSND	318						
Db	301	HIFNDALVFLPPNGSND	318						

RESULT 4

AAB80270
 ID AAB80270 standard; protein; 318 AA.
 XX
 AC AAB80270;
 XX
 DT 24-APR-2001 (first entry)
 XX
 DB Human PRO310 protein.
 XX Human; PRO; dermatological; antipsoriatic; cyostatic; antiinflammatory;
 KW antiparkinsonian nootropic; neuroprotective; vulnerary; cardiant;
 KW antiangiogenic; vasoergic; antiasthmatic; antirheumatic; cancer;
 KW antiarthritic; antifertilizer; antidiabetic; antiviral; diabetes;
 KW ophthalmological; Gene therapy; skin disease; gastrointestinal disorder;
 KW ischaemia; inflammation.
 XX Homo sapiens.
 XX WO200104311-AL.
 XX
 PD 18-JAN-2001.
 XX
 PF 22-FEB-2000; 2000WO-US004414.
 XX
 PR 07-JUL-1999; 99US-014304BP.
 PR 26-JUL-1999; 99US-014569BP.
 PR 28-JUL-1999; 99US-014622BP.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.

Qy 121 CATCATACCTAACAGCTCCTAACAAGAAGATATCTTGAAGAAATTCTGAGGATGAGGCC 180
 Db 201 CATCATACCTAACAGCTCCTAACAAGAAGATATCTTGAAGAAATTCTGAGGATGAGGCC 260
 Qy 181 ATGGGGCTCACTAACAGCTCCTAACAAGAAGATATCTTGAAGAAAGATCTG 240
 Db 261 ATGGGGCTCACTAACAGCTCCTAACAAGAAGATATCTTGAAGAAAGATCTG 320
 Qy 241 ACTCTTGGGGCTCACTAACAGGAACTTGGGACCAAAGCTGTGACAAGAGAGTTTC 300
 Db 321 ACTCTTGGGGCTCACTAACAGGAACTTGGGACCAAAGCTGTGACAAGAGAGTTTC 380
 Qy 301 ACTCTGAAAATGTTAAACTGTTGACTGCAATTAAATATGACAAATGACATGCTGTTA 360
 Db 381 ATGTCGAAAATGTTAAACTGTTGACTGCAATTAAATGACAAATGACATGCTGTTA 440
 Qy 361 ATGATGAGAAAGCTTACAAATACGGCTTGTATAAGTAGACCAATAGACCTGGTC 420
 Db 441 ATGATGAGAAAGCTTACAAATACGGCTTGTATAAGTAGACCAATAGACCTGGTC 500
 Qy 421 TCTCTTGACGCCCACTACAGCTTGTCTCATTTGAAACTAAAGTTTGTAAAA 480
 Db 501 TCTCTGACGCCCACTACAGCTTGTCTCATTTGAAACTAAAGTTTGTAAAA 560
 Qy 481 AAGATCCATCACGCCCTTCTATCAGGCCACATTAATAAACTGGGACCTGATA 540
 Db 561 AAGATCCATCACGCCCTTCTATCAGGCCACATTAATAAACTGGGACCTGATA 620
 Qy 541 GTGGTATGGAGGGAGAACTCTTAACTGTAGAATCTGAAAGAGCTTACGGCTT 600
 Db 621 GTGGTATGGAGGGAGAACTCTTAACTGTAGAATCTGAAAGAGCTTACGGCTT 680
 Qy 601 CTCAAATCCCCAGAAAAGTGTCTGAACAGGGAGGGATGTTGGAGAATCTGAAAGAT 660
 Db 681 CTCAAATCCCCAGAAAAGTGTCTGAACAGGGAGGGATGTTGGAGAATCTGAAAGAT 740
 Qy 661 AACAGCTGAGCTTGTCTGAATAACCAAACTGTGAGGATTTGAGAAATGAGATCT 720
 Db 741 AACAGCTGAGCTTGTCTGAATAACCAAACTGTGAGGATTTGAGAAATGAGATCT 800
 Qy 721 GATGAAAAGATGTATTTAAACCAAACTGTGAGGATTTCTATTAAGAGGCAATGACT 780
 Db 801 GATGAAAAGATGTATTTAAACCAAACTGTGAGGATTTCTATTAAGAGGCAATGACT 860
 Qy 781 TATCACCCCACCCAGGTAGTAAAGGCTGTTCTGAGAATATGGCTTACTTTTAAGGA 840
 Db 861 TATCACCCCACCCAGGTAGTAAAGGCTGTTCTGAGAATATGGCTTACTTTTAAGGA 920
 Qy 841 CTGACTCAAATCAGCTGAGCTGAGATCTGAAATGAGCTTACGGCTTACGGCTTACGG 900
 Db 921 CTGACTCAAATCAGCTGAGCTGAGATCTGAAATGAGCTTACGGCTTACGGCTTACGG 980
 Qy 901 CATATTTCATGATGATTGTTTCTTACCTCCAATGGTTCTGACAAATGACTGA 957
 Db 981 CATATTTCATGATGATTGTTTCTTACCTCCAATGGTTCTGACAAATGACTGA 1037